



Ignacio Obeso Martin

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

After completing a Psychology degree (clinical neuropsychology) at the University of Deusto, Dr. Ignacio Obeso began a PhD scholarship at University College London (UCL, London, UK). He carried out a series of behavioural and neuromodulatory experiments to study the role of the subthalamic nucleus in cognitive control (in selection of actions, inhibition and conflict resolution) by evaluating patients with Parkinson's disease under different medical treatments and cortical functions using transcranial magnetic stimulation (TMS). Following 3 postdoctoral periods (University of Toronto, Canada; CNRS, Lyon, France; CINAC-HM, Madrid, Spain), he acquired knowledge on the use of neuroimaging and computational techniques combined with neuromodulation to investigate cortico-subcortical interactions during healthy and pathological behavior.

He currently leads his own research team focused on cognitive control and habitual behaviour and when these fail (i.e. impulsivity and excessive behaviours) (CINC-CSIC, Madrid, Spain). At his lab, is key to decipher the neural basis of cognitive control mechanisms in healthy samples to translate into pathological conditions whereby behaviour is marked by uncontrolled processes. He combines behavioural models, neuroimaging and neuromodulation to understand normal and pathological explanations of behaviour.



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.

3844 total citations, H index: 28 (Scholar)



Ignacio Obeso Martin

Surname(s): **Obeso Martin**
 Name: **Ignacio**
 ORCID: **0000-0001-8783-7281**
 ResearcherID: **AAB-4084-2020**
 Contact aut. region/reg.: **Community of Madrid**
 Personal web page: **www.controlandhabit.com**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Department: Centro Internacional Neurociencia Cajal (CINC)
Professional category: Científico Titular
Start date: 02/01/2024
Type of contract: Civil servant **Dedication regime:** Full time

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Murcia	Profesor visitante	01/01/2011
2	Universidad Complutense de Madrid	Ayudante doctor	01/02/2022
3	Fundacion HM hospitales	Investigador	01/12/2014
4	Universidad Rey Juan Carlos	Profesor Asociado	01/10/2017
5	Fundación de Investigación HM Hospitales	Contrato Sara Borrell	01/10/2016
6	Centre National de la Recherche Scientifique (CNRS)	post-doctoral	01/10/2012
7	University of Toronto	pre-doctoral	02/01/2011

- Employing entity:** Universidad de Murcia **Type of entity:** University
Professional category: Profesor visitante
Start-End date: 01/01/2011 - 30/04/2024
- Employing entity:** Universidad Complutense de Madrid **Type of entity:** University
Professional category: Ayudante doctor
Start-End date: 01/02/2022 - 27/12/2023 **Duration:** 2 years
- Employing entity:** Fundacion HM hospitales
Professional category: Investigador
Start-End date: 01/12/2014 - 31/01/2022 **Duration:** 8 years



- 4** **Employing entity:** Universidad Rey Juan Carlos **Type of entity:** University
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Profesor Asociado **Leadership and management (Y/N):** Yes
Start-End date: 01/10/2017 - 30/09/2019 **Duration:** 2 years
Type of contract: Temporary
Dedication regime: Full time
Area of leadership and/or management activity: Public Research Body
- 5** **Employing entity:** Fundación de Investigación HM Hospitales
Department: Instituto de Salud Carlos III
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Contrato Sara Borrell **Leadership and management (Y/N):** Yes
Start-End date: 01/10/2016 - 31/12/2018 **Duration:** 3 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Area of leadership and/or management activity: investigacion
- 6** **Employing entity:** Centre National de la Recherche Scientifique (CNRS)
Department: Universite Lyon 1
City employing entity: Lyon, Rhône-Alpes, France
Professional category: post-doctoral **Leadership and management (Y/N):** Yes
Phone: (+33) (0)4 37 91 12 38
Start-End date: 01/10/2012 - 30/09/2014 **Duration:** 2 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Performed tasks: principal Responsible of postdoctoral research projects in cognitive neuroscience. The studies were behavioral, using neuroimaging techniques (fMRI) and transcranial magnetic stimulation (TMS) in patients and healthy participants. The duties were to design, development of experimental sessions, data presentation at international conferences, writing articles, scholarships and monitoring of doctoral students.
Area of leadership and/or management activity: investigacion
Applicability in teaching and/or research: Monitoring of doctoral students: Supervision of statistical analysis and experimental implementation, writing articles.
- 7** **Employing entity:** University of Toronto **Type of entity:** Public Research Body
Department: Centre for Addiction and Mental Health (CAMH)
City employing entity: Toronto, Canada
Professional category: pre-doctoral **Leadership and management (Y/N):** No
Start-End date: 02/01/2011 - 21/05/2012 **Duration:** 1 year - 5 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Performed tasks: Responsible for research projects in cognitive neuroscience field. Use of transcranial magnetic stimulation (TMS) combined with imaging techniques (PET). Design, development, experimental sessions, data presentation at international conferences, writing articles, scholarships
Area of leadership and/or management activity: investigación



Education

University education

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

University degree: Higher degree

Name of qualification: Psychology degree (clinical option)

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

Date of qualification: 29/09/2006

Doctorates

Doctorate programme: Ph.D. in cognitive neuroscience

Degree awarding entity: University College of London (UCL) **Type of entity:** University

Date of degree: 28/06/2012

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Italian		B1	B1	B1	B1
French		C1	C1	C1	B1
English		C1	C1	C1	C1

Teaching experience

General teaching experience

- Name of the course:** tecnicas de neuroimagen
University degree: Master en Neurociencia Cognitiva
Start date: 01/02/2023 **End date:** 27/12/2023
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Psicología
- Name of the course:** Fundamentos en Psicobiología I y II
University degree: Grado en Psicología
Start date: 01/02/2022 **End date:** 27/12/2023
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Psicología



- 3** **Name of the course:** Psicología Fisiologica
University degree: Grado en Psicología
Start date: 01/02/2022
Entity: Universidad Complutense de Madrid
Faculty, institute or centre: Psicología
End date: 27/12/2023
Type of entity: University
- 4** **Name of the course:** Fundamentos de PsicoBiología
University degree: Grado en Psicología
Start date: 01/10/2017
Entity: Universidad Rey Juan Carlos
End date: 01/07/2018
Type of entity: University
- 5** **Name of the course:** Psicología Fisiologica
University degree: Grado en Psicología
Start date: 01/10/2017
Entity: Universidad Rey Juan Carlos
End date: 01/07/2018
Type of entity: University
- 6** **Name of the course:** Psicología de la atención
University degree: Grado en Psicología
Start date: 01/10/2017
Entity: Universidad Rey Juan Carlos
End date: 01/07/2018
Type of entity: University
- 7** **Name of the course:** Neuropsicología en pacientes con neurodegeneración
University degree: Medicina
Start date: 01/10/2015
Entity: Universidad San Pablo CEU
End date: 2017
Type of entity: University
- 8** **Name of the course:** Psicología fisiológica
University degree: Graduado o Graduada en Psicología
Start date: 18/09/2019
Entity: Unibersitat Oberta de Catalaunya (UOC)
Faculty, institute or centre: Departamento de Ciencias de la Salud
Type of entity: University
- 9** **Name of the course:** Técnicas de estudio en neurociencia cognitiva
University degree: Master Neurociencia Cognitiva y Neuropsicología
Start date: 01/10/2017
Entity: Universidad Rey Juan Carlos
Type of entity: University
- 10** **Name of the course:** Papel de los ganglios basales en el control del movimiento y de la conducta: Importancia de la Inhibición
University degree: Master en trastornos del movimiento
Start date: 01/04/2011
Entity: Universidad de Murcia
Faculty, institute or centre: Facultad de Medicina
Type of entity: University



Teaching experience in the field of specialized healthcare

- 1 **Name of the speciality:** Neuropsychology **Name of the sub-speciality:** International Internship Tutor
Awarding entity: University of Minnesota **Type of entity:** University
Unit: Neuropsychology, Neurology
Department: CINAC
Start-End date: 01/09/2016 - 01/06/2018
- 2 **Name of the speciality:** Neuropsychology **Type of entity:** University Centres and Structures and Associated Bodies
Awarding entity: Centro de Estudios Universitarios CEU SAN PABLO
Unit: Neuropsychology, Neurology
Department: CINAC
Start date: 01/09/2016

Experience supervising doctoral thesis and/or final year projects

- 1 **Project title:** Learning from policy and value-based rules
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Student: Alex Sospedra
Date of reading: 2027
- 2 **Project title:** Habits and its novel circuitry: insights from behavioural paradigms and neuroimaging
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Student: Mario Michiels
Date of reading: 2025
- 3 **Project title:** Behavioural addiction and decision making: flexibility and computational models
Type of project: 112
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Student: Jon Celestino
Date of reading: 04/06/2024
- 4 **Project title:** Sexual addiction: executive control and decision-making
Type of project: 112
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Student: Nerea Sospedra
Date of reading: 04/06/2024
- 5 **Project title:** El papel de la corteza prefrontal sobre la Impulsividad espacial
Entity: Universidad Rey Juan Carlos **Type of entity:** University
City of entity: Madrid, Spain
Student: Alberto Carpio
Date of reading: 2024



- 6** **Project title:** The role of motor, cognitive and emotional habits in Parkinson disease
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Student: Pasqualina Guida
Date of reading: 2024
- 7** **Project title:** Hypersexual addiction and executive control
Type of project: 112
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Beatriz Regodon
Obtained qualification: 9.5
Date of reading: 01/07/2023
- 8** **Project title:** Theory of mind in dopaminergic deficits
Entity: University of Campania Luigi Vanvitelli **Type of entity:** University
City of entity: Napoli, Italy
Student: Gianpaolo Maggi
Date of reading: 03/05/2023
- 9** **Project title:** The behavioural and neural mechanisms behind motor and cognitive impulsivity.
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Student: David Mata Marín
Date of reading: 2022
- 10** **Project title:** brain stimulation in behaviour and cognition.
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Guillermo Mejías
Date of reading: 01/07/2019
- 11** **Project title:** Efectos de la estimulación magnética estática transcraneal sobre la corteza motora suplementaria en respuesta inhibitoria
Type of project: End of course project
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Student: Raquel Fernández Sánchez
Date of reading: 01/09/2018
- 12** **Project title:** La Estimulación Magnética Transcraneal Estática como tratamiento para el Síndrome de Tourette: estudio de dos casos.
Type of project: Minor thesis
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Student: Maria Pérez Vivas
Date of reading: 01/09/2018
- 13** **Project title:** La causalidad del SMA en Inhibición habitual: un estudio en sujetos sanos y neuromodulación
Type of project: Minor thesis
Entity: Universidad San Pablo CEU **Type of entity:** University
Student: Mercedes Diaz
Date of reading: 24/06/2017
- 14** **Project title:** The role of testosterone in social reputation (Supervisión estudiante doctorado)
Entity: Université Lyon 1 **Type of entity:** University
Student: Yansong Li



Date of reading: 01/10/2012

15 Project title: The effects of dopaminergic medication on dynamic decision making in Parkinson's disease (supervisión estudiante máster)

Type of project: Minor thesis

Entity: University college of London (UCL)

Type of entity: University

Student: Agatha Ryterska

Date of reading: 01/04/2009

16 Project title: The effects of dopaminergic medication on dynamic decision making in Parkinson's disease (supervisión estudiante máster)

Type of project: Minor thesis

Entity: University college of London (UCL)

Type of entity: University

Student: Khailia Karimi

Date of reading: 01/04/2009

17 Project title: The effects of dopaminergic medication on dynamic decision making in Parkinson's disease (supervisión estudiante máster)

Type of project: Minor thesis

Entity: University college of London (UCL)

Type of entity: University

Student: Li Tu

Date of reading: 01/04/2009

Materials and other teaching or educational publications.

1 Ignacio Obeso; Lydia Vela. Master en Trastornos del movimiento (Universidad de Murcia), Trastorno de Control de Impulsos en la Enfermedad de Parkinson. Viguera.

Name of the materials: capitulo de master

Date of drafting: 21/06/2022

Format: Chapters of books

2 Ignacio Obeso; Marjan Jahanshahi. Master en Trastornos del movimiento, Papel de los ganglios basales en el control del movimiento y de la conducta: Importancia de la Inhibición. Viguera.

Name of the materials: capitulo de master

Date of drafting: 01/02/2011

Format: Chapters of books

3 Manuela Costa; Ignacio Obeso martin. Las Neuronas espejo y la Empatía, National Geographic. RBA.

Name of the materials: Colección Retos de la Ciencia

Format: Book

Corresponding author: Yes



Other activities/achievements not included above

Description of the activity: Acreditacion ANECA (ayudante doctor, contratado doctor y universidad privada)

Organising entity: Agencia Nacional de Evaluación de la Calidad y Acreditación

Type of entity: Agencia

End date: 01/07/2019

Healthcare experience

Healthcare experience in EU entities

- 1 **Relevant results:** Clinical trial on subthalamotomy for early Parkinson's disease
Entity: Hospitales Madrid **Type of entity:** Healthcare Institutions
Affiliation entity: HM-CINAC
Start-End date: 01/03/2019 - 01/11/2021
- 2 **Relevant results:** FUS BBB opening as safety in Parkinson's disease dementia
Entity: Hospitales Madrid **Type of entity:** Healthcare Institutions
Affiliation entity: HM-CINAC
Start-End date: 01/06/2018 - 01/05/2021
- 3 **Relevant results:** Clinical trial on safety of bilateral subthalamotomy for Parkinson's disease
Entity: Hospitales Madrid **Type of entity:** Healthcare Institutions
Affiliation entity: HM-CINAC
Start-End date: 01/03/2015 - 01/11/2018
- 4 **Relevant results:** Clinical trial on safety of unilateral subthalamotomy for Parkinson's disease
Entity: Hospitales Madrid **Type of entity:** Healthcare Institutions
Affiliation entity: HM-CINAC
Start-End date: 01/03/2015 - 01/11/2018

Healthcare experience in international intergovernmental organizations

Relevant results: Evaluation and assessment of cognitive status after subthalamotomy surgery in Parkinson's disease patients

Identify key words: Neuropsychology

Entity: Centro Internacional de Restauración Neurológica (CIREN)

Type of entity: Healthcare Institutions

Department: Ministerio de Salud Pública (MINSAP)

City of entity: La Habana, Cuba

Start-End date: 10/09/2008 - 20/12/2008

Duration: 3 months



Scientific and technological experience

Scientific or technological activities

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

- 1** **Name of the project:** (PI) The role of habitual inhibition in cognitive and emotional control (PID2022-136996NB-I00)
Entity where project took place: Proyectos I+D+I ("Plan Nacional") MINECO
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI...): Ignacio Obeso Martin; David Mata Marín; Mario Michiels; Dominique Kessel
N° of researchers: 4
Start-End date: 01/09/2023 - 31/08/2027
Total amount: 181.000 €
- 2** **Name of the project:** (PI) The circuit of emotional habits and its alteration (CNS2023-145426)
Entity where project took place: Proyectos I+D+I ("Consolidator research") AEI
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI...): Ignacio Obeso Martin; David Mata Marín; Pasqualina Guida; Kessel
N° of researchers: 4
Start-End date: 01/09/2024 - 31/08/2026
Total amount: 200.000 €
- 3** **Name of the project:** (Collaborator) Aprendizaje de nuevos hábitos en humanos: una perspectiva multiproceso
Entity where project took place: Consejería de Salud de la Junta de Andalucía **Type of entity:** University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI...): David Luque; Ignacio Obeso
N° of researchers: 2
Start-End date: 01/01/2023 - 31/12/2025
Total amount: 120.000 €
- 4** **Name of the project:** (Collaborator) A cortical pathogenesis of Parkinson's disease (CORPARK)
Entity where project took place: FUNDACIO BANCAIXA
Name principal investigator (PI, Co-PI...): Guglielmo Foffani
N° of researchers: 5
Start-End date: 01/05/2021 - 01/04/2023
Total amount: 500.000 €
- 5** **Name of the project:** (PI) Reducción vs. incremento del uso de conductas habituales: Revelando el origen de la lentitud motora e impulsividad en la enfermedad de Parkinson
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City of entity: Madrid, Spain



Name principal investigator (PI, Co-PI....): Ignacio Obeso Martin; David Mata Marín; Ursula Martinez; Alvaro Sanchez Ferro; Pasqualina Guida

Nº of researchers: 4

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

Total amount: 148.000 €

6 Name of the project: (PI) Unraveling the mechanisms behind automatic and emotional control: psychophysiological, cortical excitability and functional connectivity measures

Entity where project took place: BIAL foundation

City of entity: Madrid, Spain

Name principal investigator (PI, Co-PI....): Ignacio Obeso; David Mata Marín; Ursula Martinez; Claudia Ammann; Jose Pineda Pardo

Nº of researchers: 5

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

Total amount: 47.000 €

7 Name of the project: (Collaborator) Estimulación transcraneal por campo magnético estático en la enfermedad de Parkinson

Entity where project took place: Ministerio de Ciencia e Innovación **Type of entity:** Hospital

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Guglielmo Foffani; Ignacio Obeso Martin; Michele Dileone; Rafael Rodriguez Rojas; Frida Hernandez Fernandez

Nº of researchers: 5

Funding entity or bodies:

MINECO

Start-End date: 01/05/2018 - 01/2019

Total amount: 181.500 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

1 Gianpaolo Maggi; Chiara Giacobbe; Marianna Amboni; Carmine Vitale; Ignacio Obeso; gabriella santangelo. Theory of mind in mild cognitive impairment and Parkinson's disease: The role of memory impairment. Cognitive, Affective, & Behavioral Neuroscience. 01/02/2024.

Type of production: Scientific paper

Corresponding author: No

Relevant publication: Yes

2 David Mata-Marín; Peter Redgrave; Ignacio Obeso. The Impact of Emotions on Habitual Inhibition. J of Cognitive Neuroscience. 01/11/2023.

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Corresponding author: Yes

Relevant publication: Yes

- 3** Mata-Marín D; Pineda-Pardo J.A.; Mario Michiels; Alonso F; Claudia Ammann; Cristina Pagge; Raul Martinez Hernandez; L Vela; Molina J.A.; Obeso I. A circuit-based approach to modulate hypersexuality in Parkinson's disease. *Psychiatry and clinical neurosciences*. 27/12/2022.
DOI: 10.1111/pcn.13523
Type of production: Scientific paper
Position of signature: 10
Total no. authors: 10 **Corresponding author:** Yes
Impact source: SCOPUS
Impact index in year of publication: 12
Relevant publication: Yes
- 4** Alfonsina D'lorio; Gianpaolo Maggi; Pasqualina Guida; Edoardo Nicolò Aiello; Barbara Poletti; Vincenzo Silani; Gabriella Santangelo; Ignacio Obeso. Early Detection of Depression in Parkinson's Disease: Psychometrics and Diagnostics of the Spanish Version of the Beck Depression Inventory. *Archives of Clinical Neuropsychology*. 01/06/2024.
DOI: 10.1162/jocn_a_01954
Type of production: Scientific paper
Corresponding author: Yes
- 5** Gianpaolo Maggi; Francis Loayza; Carmine Vitale; Gabriella Santangelo; Ignacio Obeso. Anatomical correlates of apathy and impulsivity co-occurrence in early Parkinson's disease. *Journal of Neurology*. 28/05/2024.
DOI: 10.1162/jocn_a_01954
Type of production: Scientific paper
Corresponding author: Yes
- 6** Jaime Caballero-Insaurriaga; A Pineda-Pardo; Ignacio Obeso; Antonio Oliviero; Guglielmo Foffani. Noninvasive modulation of human corticostriatal activity. *PNAS*. 04/11/2023.
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 5 **Corresponding author:** Yes
Relevant publication: No
- 7** Raúl Martínez-Fernández; Elena Natera-Villalba; Ignacio Obeso. Prospective long-term follow-up of focused ultrasound unilateral subthalamotomy for Parkinson disease. *Neurology*. 28/03/2023.
Type of production: Scientific paper
Position of signature: 11
Total no. authors: 15 **Corresponding author:** No
- 8** Pasqualina Guida; Guglielmo Foffani; Ignacio Obeso. The Supplementary Motor Area and Automatic Cognitive Control: Lack of Evidence from Two Neuromodulation Techniques. *J of Cognitive Neuroscience*. 28/12/2022.
DOI: 10.1162/jocn_a_01954
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 3 **Corresponding author:** Yes
- 9** Gianpaolo Maggi; Diana Di Meglio; Carmine Vitale; Marianna Amboni; Ignacio Obeso; Gabriella Santangelo. The impact of executive dysfunctions on Theory of Mind abilities in Parkinson's disease. *Neuropsychologia*. 05/11/2022.
Type of production: Scientific paper
Corresponding author: No



- 10** Pasqualina Guida; Michiels M; Redgrave P; Luque D; Obeso I.. An fMRI meta-analysis of the role of the striatum in everyday-life vs laboratory-developed habits. *Neuroscience and Biobehavioral Reviews*. 10/08/2022.
DOI: 10.1016/j.neubiorev.2022.104826
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 5 **Corresponding author:** Yes
- 11** Maggi G; Cima Muñoz AM; Obeso I; Santangelo G.. Neuropsychological, neuropsychiatric, and clinical correlates of affective and cognitive theory of mind in Parkinson's disease: A meta-analysis. *Neuropsychology*. 10/07/2022.
Type of production: Scientific paper
Corresponding author: No
- 12** Jose Angel Pineda Pardo; Ignacio Obeso; Carmen Gasca Salas. Striatal Blood-Brain Barrier Opening in Parkinson's Disease Dementia: A Pilot Exploratory Study. *Mov Disord. Wylie*, 08/06/2022. Available on-line at: <10.1002/mds.29134>.
Type of production: Scientific paper
- 13** Obeso I; Loayza F; Rafael González Redondo; Elkin Luis; Federico Villagra; José A. Obeso; M Jahanshahi. The motor inhibitory network in patients with asymmetrical Parkinson's disease: An fMRI study. *Brain Imaging and Behaviour*. 03/05/2022.
Type of production: Scientific paper
Corresponding author: No
- 14** Raúl Martínez-Fernández; Sujitha Mahendran; Obeso I; Del alamo M; Obeso JA; Obeso I. Bilateral staged magnetic resonance-guided focused ultrasound thalamotomy for the treatment of essential tremor: a case series study. *Journal of Neurology, Neurosurgery & Psychiatry*. 01/11/2021.
Type of production: Scientific paper
Corresponding author: No
- 15** Mata-Marín D; Pineda-Pardo J.A.; Alonso F; L Vela; Molina J.A.; Obeso I. Aberrant salient and corticolimbic connectivity in hypersexual Parkinson's disease. *Brain Connectivity*. 01/05/2021.
Type of production: Scientific paper
Corresponding author: Yes
- 16** Obeso I; Herrero MT; Ligneul R; Rothwell JC; M Jahanshahi. A causal role for the right dorsolateral prefrontal cortex in avoidance of risky choices and making advantageous choices. *Neuroscience*. 03/04/2021.
DOI: 10.1016/j.neuroscience.2020.12.035
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 5 **Corresponding author:** Yes
Source of citations: WOS **Citations:** 6
- 17** Blood-Brain Barrier Opening with Focused Ultrasound in Parkinson's Disease Dementia: A Safety and Feasibility Study. *Nature Communications*. 01/02/2021.
Type of production: Scientific paper
- 18** D'Iorio A; Pasqualina Guida; Maggi G; Redgrave P; Santangelo G; Obeso I.. Neuropsychological spectrum in early PD: insights from controlled and automatic behavioural regulation. *Neuroscience and Biobehavioral Reviews*. 03/01/2021.
DOI: 10.1016/j.neubiorev.2021.04.003
Type of production: Scientific paper



Corresponding author: Yes

Source of citations: WOS

Citations: 6

- 19** R Liu; Z Wang; X Zhang; Y Wang; Z Quing; J Lu; I Obeso; B Zhang; Y Li. Altered sulcogyral patterns of orbitofrontal cortex in patients with mild cognitive impairment. *Psychiatry Res Neuroimaging*. 04/2020.
Type of production: Scientific paper
Corresponding author: No
- 20** Isobel Williams; Ignacio Obeso; Marjan Jahanshahi. Dopaminergic medication improves cognitive control under low cognitive demand in Parkinson's disease. *Neuropsychologia*. 03/2020.
Type of production: Scientific paper
Corresponding author: No
- 21** Y Li; L Butera; I Obeso; MC Villeval; E Meterau; JC Dreher. Endogenous testosterone is associated with increased striatal response to audience effects during prosocial choices. *Psychoneuroendocrinology*. 01/01/2020.
Type of production: Scientific paper
- 22** Jose Pineda Partdo; Ignacio Obeso Martin; Pasqualina Guida; Michele Dileone; Bryan Strange; Jose Angel Obeso; Antonio Oliviero; Guglielmo Foffani. Static magnetic field stimulation of the supplementary motor area modulates resting-state activity and motor behavior. *Nature Communication Biology*. 2, pp. 397. *Nature*, 31/10/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 23** Ledia Hernández; Ignacio Obeso; Rui Costa; Peter Redgrave; Obeso Jose Angel. Dopaminergic Vulnerability in Parkinson Disease: The Cost of Humans' Habitual Performance. *TRENDS NEUROSCI*. 42 - 6, pp. 37 - 383. *Cell Press*, 01/06/2019.
DOI: 10.1016/j.tins.2019.03.007
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 24** Carmen Gasca Salas; Pasqualina Guida; Ignacio Obeso. Cognitive safety after unilateral magnetic resonance-guided focused ultrasound thalamotomy for essential tremor. *J Neurol Neurosurg Psychiatry*. 08/03/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 25** Romuald Girard; Ignacio Obeso; Jean Claude Dreher. Wait and you shall see: sexual delay discounting in hypersexual Parkinson's disease. *Brain*. 01/01/2019. Available on-line at: <10.1093/brain/awy298>.
DOI: 10.1093/brain/awy298
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 11 **Corresponding author:** Yes
Source of citations: WOS **Citations:** 25
- 26** Ignacio Obeso; Marius Moisa; Christian Ruff; Jean-Claude Dreher. A causal role for right temporo-parietal junction in signaling moral conflict. *eLife*. 18/12/2018.
DOI: 10.7554/eLife.40671.001
Type of production: Scientific paper
Corresponding author: No
Impact source: JCR
Impact index in year of publication: 7.5

- 27** Alessandra Pereira; Ignacio Obeso. Differences in Cortical Structure and Functional MRI Connectivity in High Functioning Autism. *Frontiers Neurology*. 01/07/2018.
Type of production: Scientific paper
Corresponding author: No
- 28** Alvaro Sanchez Ferro; Michele Matarazzo; Ignacio Obeso. Minimal Clinically Important Difference for UPDRS-III in Daily Practice. *Movement Disorders*. Wylie, 18/06/2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 29** Raul Martínez Fernández; Rafael Rodríguez Rojas; Marta Del Álamo; Frida Hernández Fernández; Jose A Pineda Pardo; Michele Dileone; Fernando Alonso Frech; Guglielmo Foffani; Ignacio Obeso; Carmen Gasca Salas; Esther de Luis Pastor; Lydia Vela; José A Obeso. Focused ultrasound subthalamotomy in patients with asymmetric Parkinson's disease: a pilot study. *The Lancet. Neurology*. 17 - 1, pp. 54 - 63. 01/2018. ISSN 1474-4465
DOI: 10.1016/S1474-4422(17)30403-9
PMID: 29203153
Type of production: Scientific paper
Corresponding author: No
- 30** Ignacio Obeso; Enrique Casabona; Rafael Rodríguez Rojas; Maria Luisa Bringas; Raúl Macías; Nancy Pavón; Jose A Obeso; Marjan Jahanshahi. Unilateral subthalamotomy in Parkinson's disease: Cognitive, psychiatric and neuroimaging changes. *Cortex; a journal devoted to the study of the nervous system and behavior*. 94, pp. 39 - 48. (Italy): 09/2017. ISSN 1973-8102
DOI: 10.1016/j.cortex.2017.06.006
PMID: 28711816
Type of production: Scientific paper
Corresponding author: Yes
- 31** Ignacio Obeso; Leonora Wilkinson; James T Teo; Penelope Talelli; John C Rothwell; Marjan Jahanshahi. Theta burst magnetic stimulation over the pre-supplementary motor area improves motor inhibition. *Brain stimulation*. 10 - 5, pp. 944 - 951. 2017. ISSN 1876-4754
DOI: 10.1016/j.brs.2017.05.008
PMID: 28624346
Type of production: Scientific paper
Corresponding author: No
- 32** Romain Ligneul; Ignacio Obeso; Christian C Ruff; Jean-Claude Dreher. Dynamical Representation of Dominance Relationships in the Human Rostromedial Prefrontal Cortex. *Current biology*. 26 - 23, pp. 3107 - 3115. Cell Press, 05/12/2016. ISSN 1879-0445
DOI: 10.1016/j.cub.2016.09.015
PMID: 28094034
Type of production: Scientific paper
Corresponding author: No
- 33** S Kohl; K Aggeli; I Obeso; M Speekenbrink; P Limousin; J Kuhn; M Jahanshahi. In Parkinson's disease pallidal deep brain stimulation speeds up response initiation but has no effect on reactive inhibition. *Journal of neurology*. 262 - 7, pp. 1741 - 1750. (Germany): 07/2015. ISSN 1432-1459
DOI: 10.1007/s00415-015-7768-6
PMID: 25963101
Type of production: Scientific paper
Corresponding author: No



- 34** Elia Abi Jaoude; Barbara Segura; Ignacio Obeso; Sang Soo Cho; Sylvain Houle; Anthony E Lang; Pablo Rusjan; Paul Sandor; Antonio P Strafella. Similar striatal D2/D3 dopamine receptor availability in adults with Tourette syndrome compared with healthy controls: A [(11) C]-(+)-PHNO and [(11) C]raclopride positron emission tomography imaging study. *Human brain mapping*. 36 - 7, pp. 2592 - 2601. 07/2015. ISSN 1097-0193
DOI: 10.1002/hbm.22793
PMID: 25788222
Type of production: Scientific paper
Corresponding author: No
- 35** Sang Soo Cho; Yuko Koshimori; Kelly Aminian; Ignacio Obeso; Pablo Rusjan; Anthony E Lang; Zafiris J Daskalakis; Sylvain Houle; Antonio P Strafella. Investing in the future: stimulation of the medial prefrontal cortex reduces discounting of delayed rewards. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*. 40 - 3, pp. 546 - 553. 02/2015. ISSN 1740-634X
DOI: 10.1038/npp.2014.211
PMID: 25168685
Type of production: Scientific paper
Corresponding author: No
- 36** Ignacio Obeso; Leonora Wilkinson; Enrique Casabona; Maarten Speekenbrink; María Luisa Bringas; Mario Álvarez; Lázaro Álvarez; Nancy Pavón; María C Rodríguez Oroz; Raúl Macías; Jose A Obeso; Marjan Jahanshahi. The subthalamic nucleus and inhibitory control: impact of subthalamotomy in Parkinson's disease. *Brain : a journal of neurology*. 137 - Pt 5, pp. 1470 - 1480. 05/2014. ISSN 1460-2156
DOI: 10.1093/brain/awu058
PMID: 24657985
Type of production: Scientific paper
Corresponding author: No
- 37** Magda Osman; Agata Rytterska; Kash Karimi; LingLing Tu; Ignacio Obeso; Maarten Speekenbrink; Marjan Jahanshahi. The effects of dopaminergic medication on dynamic decision making in Parkinson's disease. *Neuropsychologia*. 53, pp. 157 - 164. 01/2014. ISSN 1873-3514
DOI: 10.1016/j.neuropsychologia.2013.10.024
PMID: 24269857
Type of production: Scientific paper
Corresponding author: No
- 38** I Obeso; S S Cho; F Antonelli; S Houle; M Jahanshahi; J H Ko; A P Strafella. Stimulation of the pre-SMA influences cerebral blood flow in frontal areas involved with inhibitory control of action. *Brain stimulation*. 6 - 5, pp. 769 - 776. 09/2013. ISSN 1876-4754
DOI: 10.1016/j.brs.2013.02.002
PMID: 23545472
Type of production: Scientific paper
Corresponding author: No
- 39** Sang Soo Cho; Giovanna Pellecchia; Kelly Aminian; Nicola Ray; Barbara Segura; Ignacio Obeso; Antonio P Strafella. Morphometric correlation of impulsivity in medial prefrontal cortex. *Brain topography*. 26 - 3, pp. 479 - 487. 07/2013. ISSN 1573-6792
DOI: 10.1007/s10548-012-0270-x
PMID: 23274773
Type of production: Scientific paper
Corresponding author: No



- 40** Ignacio Obeso; Leonora Wilkinson; Maria-Cruz Rodríguez Oroz; Jose A Obeso; Marjan Jahanshahi. Bilateral stimulation of the subthalamic nucleus has differential effects on reactive and proactive inhibition and conflict-induced slowing in Parkinson's disease. *Experimental brain research*. 226 - 3, pp. 451 - 462. (Germany): 05/2013. ISSN 1432-1106
DOI: 10.1007/s00221-013-3457-9
PMID: 23525560
Type of production: Scientific paper
Corresponding author: No
- 41** Manuel Alegre; Jon Lopez Azcarate; Ignacio Obeso; Leonora Wilkinson; Maria C Rodriguez Oroz; Miguel Valencia; David Garcia Garcia; Jorge Guridi; Julio Artieda; Marjan Jahanshahi; Jose A Obeso. The subthalamic nucleus is involved in successful inhibition in the stop-signal task: a local field potential study in Parkinson's disease. *Experimental neurology*. 239, pp. 1 - 12. 01/2013. ISSN 1090-2430
DOI: 10.1016/j.expneurol.2012.08.027
PMID: 22975442
Type of production: Scientific paper
Corresponding author: No
- 42** Ignacio Obeso; Noemí Robles; Elena M Marrón; Diego Redolar Ripoll. Dissociating the Role of the pre-SMA in Response Inhibition and Switching: A Combined Online and Offline TMS Approach. *Frontiers in Human Neuroscience*. 7, pp. 150. (Switzerland): 2013. ISSN 1662-5161
DOI: 10.3389/fnhum.2013.00150
PMID: 23616761
Type of production: Scientific paper
Corresponding author: Yes
- 43** Sang Soo Cho; Giovanna Pellecchia; Ji Hyun Ko; Nicola Ray; Ignacio Obeso; Sylvain Houle; Antonio P Strafella. Effect of continuous theta burst stimulation of the right dorsolateral prefrontal cortex on cerebral blood flow changes during decision making. *Brain stimulation*. 5 - 2, pp. 116 - 123. 04/2012. ISSN 1876-4754
DOI: 10.1016/j.brs.2012.03.007
PMID: 22494829
Type of production: Scientific paper
Corresponding author: No
- 44** Ignacio Obeso; Enrique Casabona; Maria Luisa Bringas; Lázaro Alvarez; Marjan Jahanshahi. Semantic and phonemic verbal fluency in Parkinson's disease: Influence of clinical and demographic variables. *Behavioural neurology*. 25 - 2, pp. 111 - 118. 2012. ISSN 1875-8584
PMID: 22530265
Type of production: Scientific paper
Corresponding author: No
- 45** Ignacio Obeso; Leonora Wilkinson; Marjan Jahanshahi. Levodopa medication does not influence motor inhibition or conflict resolution in a conditional stop-signal task in Parkinson's disease. *Experimental brain research*. 213 - 4, pp. 435 - 445. (Germany): 09/2011. ISSN 1432-1106
DOI: 10.1007/s00221-011-2793-x
PMID: 21796541
Type of production: Scientific paper
Corresponding author: No
- 46** Ignacio Obeso; Leonora Wilkinson; Enrique Casabona; Maria Luisa Bringas; Mario Álvarez; Lázaro Álvarez; Nancy Pavón; Maria-Cruz Rodríguez Oroz; Raúl Macías; Jose A Obeso; Marjan Jahanshahi. Deficits in inhibitory control and conflict resolution on cognitive and motor tasks in Parkinson's disease. *Experimental brain research*. 212 - 3, pp. 371 - 384. (Germany): 07/2011. ISSN 1432-1106



DOI: 10.1007/s00221-011-2736-6

PMID: 21643718

Type of production: Scientific paper

Corresponding author: No

- 47** Leonora Wilkinson; James T Teo; Ignacio Obeso; John C Rothwell; Marjan Jahanshahi. The contribution of primary motor cortex is essential for probabilistic implicit sequence learning: evidence from theta burst magnetic stimulation. *Journal of cognitive neuroscience*. 22 - 3, pp. 427 - 436. 03/2010. ISSN 1530-8898
DOI: 10.1162/jocn.2009.21208
PMID: 19301999
Type of production: Scientific paper
Corresponding author: No
- 48** Hernandez; Obeso. *The Evolutionary Roots of Human Brain Diseases. Goal-directed and habitual behaviors: anatomical and functional circuits in health and neurological disease.* Oxford press, 2024.
Type of production: Book chapter
Corresponding author: Yes
- 49** Ignacio Obeso; Antonio Oliviero; Marjan Jahanshahi. Editorial: Non-invasive Brain Stimulation in Neurology and Psychiatry. *FRONT NEUROSCI-SWITZ*. 10, pp. 574. (Switzerland): 2016. ISSN 1662-4548
DOI: 10.3389/fnins.2016.00574
PMID: 28018167
Type of production: Scientific edition
Corresponding author: Yes
- 50** Ignacio Obeso; Antonio P Strafella. Boosting response inhibition neural network with rTMS may improve dyskinesias in Parkinson's disease. *Brain stimulation*. 7 - 2, pp. 336 - 337. 2014. ISSN 1876-4754
DOI: 10.1016/j.brs.2013.12.004
PMID: 24406171
Type of production: Scientific edition
Corresponding author: Yes
- 51** Ignacio Obeso; Antonio P Strafella. Top-down control of dyskinesias in PD using brain stimulation. *Brain stimulation*. 7 - 3, pp. 488. 2014. ISSN 1876-4754
DOI: 10.1016/j.brs.2014.01.005
PMID: 24507577
Type of production: Scientific edition
Corresponding author: Yes
- 52** Trainee Advisory Committee (TAC) several authors; Ignacio Obeso Martin. *The Next 50 Years of Neuroscience.* *Journal of Neuroscience*. 40 - 1, pp. 101. 02/01/2020.
Type of production: Review **Format:** Journal
Corresponding author: No
- 53** Antonio P Strafella; Nicolaas I Bohnen; Joel S Perlmutter; David Eidelberg; Nicola Pavese; Thilo Van Eimeren; Paola Piccini; Marios Politis; Stephane Thobois; Roberto Ceravolo; Makoto Higuchi; Valtteri Kaasinen; Mario Masellis; M Cecilia Peralta; Ignacio Obeso; Jose Ángel Pineda Pardo; Roberto Cilia; Benedicte Ballanger; Martin Niethammer; Jon A Stoessl. Molecular imaging to track Parkinson's disease and atypical parkinsonisms: New imaging frontiers. *Movement disorders : official journal of the Movement Disorder Society*. 32 - 2, pp. 181 - 192. 02/2017. ISSN 1531-8257
DOI: 10.1002/mds.26907
PMID: 28150432



Type of production: Review
Corresponding author: No

- 54** Ledia F Hernández; Ignacio Obeso. A STOP signal to striatum mediated by globus pallidus: A new loop discovered. *Movement disorders : official journal of the Movement Disorder Society*. 31 - 8, pp. 1142. Wylie, 08/2016. ISSN 1531-8257
DOI: 10.1002/mds.26648
PMID: 27089855
Type of production: Review **Format:** Journal
Corresponding author: No
- 55** Ignacio Obeso; Antonio Cerasa; Aldo Quattrone. The Effectiveness of Transcranial Brain Stimulation in Improving Clinical Signs of Hyperkinetic Movement Disorders. *FRONT NEUROSCI-SWITZ*. 7 - 9, pp. 486. Frontiers, 01/2016.
DOI: 10.3389/fnins.2015.00486
Type of production: Review **Format:** Journal
Corresponding author: Yes
- 56** Marjan Jahanshahi; Ignacio Obeso; John C Rothwell; José A Obeso. A fronto-striato-subthalamic-pallidal network for goal-directed and habitual inhibition. *Nature Reviews Neuroscience*. 16 - 12, pp. 719 - 732. Nature, 12/2015. ISSN 1471-0048
DOI: 10.1038/nrn4038
PMID: 26530468
Type of production: Review **Format:** Journal
Corresponding author: No
- 57** Marjan Jahanshahi; Ignacio Obeso; Christelle Baunez; Manuel Alegre; Paul Krack. Parkinson's disease, the subthalamic nucleus, inhibition, and impulsivity. *Movement disorders : official journal of the Movement Disorder Society*. 30 - 2, pp. 128 - 140. Wylie, 02/2015. ISSN 1531-8257
DOI: 10.1002/mds.26049
PMID: 25297382
Type of production: Review **Format:** Journal
Corresponding author: No
- 58** Ignacio Obeso; Antonio Cerasa; Aldo Quattrone. The Effectiveness of Transcranial Brain Stimulation in Improving Clinical Signs of Hyperkinetic Movement Disorders. *Frontiers in Neuroscience*. 9, pp. 486. (Switzerland): 2015. ISSN 1662-4548
DOI: 10.3389/fnins.2015.00486
PMID: 26778947
Type of production: Review
Corresponding author: Yes
- 59** Ignacio Obeso; Nicola J Ray; Francesca Antonelli; Sang Soo Cho; Antonio P Strafella. Combining functional imaging with brain stimulation in Parkinson's disease. *International review of psychiatry (Abingdon, England)*. 23 - 5, pp. 467 - 475. 10/2011. ISSN 1369-1627
DOI: 10.3109/09540261.2011.621414
PMID: 22200136
Type of production: Review
Corresponding author: No
- 60** Antonio Cerasa; Ignacio Obeso; Michele Dileone; Aldo Quattrone. Transcranial Non-Invasive Brain Stimulation in Parkinson's Disease Patients with Dyskinesias. Where is the Optimal Target?. *Cerebellum (London, England)*. 16 - 1, pp. 276 - 278. 02/2017. ISSN 1473-4230



DOI: 10.1007/s12311-016-0768-y
PMID: 26928908
Type of production: Letter
Corresponding author: No

Works submitted to national or international conferences

- 1** **Title of the work:** Do Internet Gaming Disorder and Pathological Gambling share common neural substrates? An fMRI Meta-Analysis
Name of the conference: V Congress of PsychoBiology
City of event: Madrid, Spain
Date of event: 09/07/2024
End date: 11/07/2024
Organising entity: Universidad Autónoma de Madrid **Type of entity:** University
Jose Maria Ortega; Beatriz Regodon; ignacio obeso.
- 2** **Title of the work:** Inhibitory and decisional mechanisms in sex and pornography addictions
Name of the conference: V Congress of PsychoBiology
Corresponding author: Yes
City of event: Madrid, Spain
Date of event: 09/07/2024
End date: 11/07/2024
Organising entity: Universidad Autónoma de Madrid **Type of entity:** University
Beatriz Regodon; Ricardo Hoddann; Marisol Roncero; Ignacio Civeira; Francisco Ferre; ignacio obeso.
- 3** **Title of the work:** Neuromodulation options for behavioural addictions
Name of the conference: 8th World Congress WADD
City of event: Mallorca, Spain
Date of event: 14/04/2024
End date: 17/04/2024
Organising entity: WADD
obeso.
- 4** **Title of the work:** The hypersexual network
Name of the conference: 8th World Congress WADD
City of event: Mallorca, Spain
Date of event: 14/04/2024
End date: 17/04/2024
Organising entity: WADD
obeso.
- 5** **Title of the work:** Habitual inhibition: emotional and neural basis
Name of the conference: Cognitive Control and Motivation Conference
City of event: Lyon, France
Date of event: 04/10/2023
End date: 06/10/2023
Organising entity: Universite de Lyon
Ignacio Obeso.



- 6** **Title of the work:** A circuit based approach to repair hypersexuality
Name of the conference: IV International Congress of Psychobiology
City of event: Valencia, Spain
Date of event: 14/05/2022
End date: 16/05/2022
Organising entity: Universitat de València **Type of entity:** University
City organizing entity: Valencia,
Obeso I.
- 7** **Title of the work:** Turning inhibitory control automatic: neural and clinical signatures
Name of the conference: Cognitive Control & Performance Monitoring meeting
City of event: Marseille, France
Date of event: 14/05/2022
End date: 16/05/2022
Organising entity: CNRS
Obeso I.
- 8** **Title of the work:** Desequilibrio del control sobre la recompensa en la impulsividad
Name of the conference: II International Neuroscience Symposium
City of event: online, Peru
Date of event: 12/11/2021
End date: 12/11/2021
Organising entity: Universidad Científica
City organizing entity: Lima,
Obeso I.
- 9** **Title of the work:** Circuitopatía y neuromodulación de la impulsividad
Name of the conference: Neuropsicología de Madrid
City of event: online, Spain
Date of event: 10/10/2021
End date: 10/10/2021
Organising entity: Asociación neuropsicología de Madrid
City organizing entity: Madrid,
Obeso I.
- 10** **Title of the work:** Circuit-based neuromodulation: from causal to clinical models
Name of the conference: BrainBox webinars
City of event: online,
Date of event: 15/09/2021
End date: 15/09/2021
Organising entity: BrainBox
Obeso I.
- 11** **Title of the work:** El núcleo subtalámico y control conductual: causalidad y circuito asociado
Name of the conference: IV Iberoamerican Neuropsychology Symposium (online)
Type of participation: Participatory - oral communication
Date of event: 27/05/2021
End date: 29/05/2021
Organising entity: NeuronUp



- 12** **Title of the work:** Control conductual y automatismos: mecanismos y redes en la enfermedad de Parkinson
Name of the conference: Seminario Dr Moreno Lab
City of event: Madrid,
Date of event: 02/07/2020
End date: 02/07/2020
Organising entity: CSIC
- 13** **Title of the work:** Stopping natural desires: defining the hypersexuality network in impulse control disorders.
Name of the conference: Cognitive Neuroscience Society (CNS)
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: San Francisco, United States of America
Date of event: 03/2019
Organising entity: Consejo de Seguridad Nuclear
City organizing entity: United States of America
Ignacio Obeso.
- 14** **Title of the work:** Stopping natural desires: defining the hypersexuality network in impulse control disorders.
Name of the conference: European Brain & Behaviour Society (EBBS)
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Bilbao, Spain
Date of event: 09/2017
Organising entity: EBBS
City organizing entity: Spain
Ignacio Obeso.
- 15** **Title of the work:** Stopping natural desires: defining the hypersexuality network in impulse control disorders.
Name of the conference: Society for Neuroscience (SfN)
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Washington DC, United States of America
Date of event: 09/2017
Organising entity: SFN
City organizing entity: United States of America
Ignacio Obeso.
- 16** **Title of the work:** Transcranial static magnetic field stimulation over supplementary motor complex modulates speed-accuracy trade-offs
Name of the conference: Federation of European Neurosciences (FENS)
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Copenhagen, Denmark
Date of event: 07/2016
Organising entity: FENS
City organizing entity: Denmark
Ignacio Obeso.



- 17 Title of the work:** Unilateral subthalamotomy in Parkinson's disease: cognitive, neuropsychiatric and morphometric correlates
Name of the conference: Movement Disorders society meeting
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Berlin, Germany
Date of event: 05/2016
Organising entity: MDS
City organizing entity: Spain
 Ignacio Obeso.
- 18 Title of the work:** Changes in BOLD signal after unilateral subthalamotomy in Parkinson's disease during reactive inhibition
Name of the conference: Sociedad Española de Neurociencia (SENC)
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Granada, Spain
Date of event: 05/2015
Organising entity: SENC
City organizing entity: Spain
 Ignacio Obeso.
- 19 Title of the work:** The basal ganglia and executive control
Name of the conference: Seminario Grenoble Institut des Neurosciences (GIN)
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Grenoble, France
Date of event: 07/2014
Organising entity: Department of Psychiatry and Neurology, University Hospital Grenoble
City organizing entity: Grenoble, France
 Ignacio Obeso.
- 20 Title of the work:** The role of basal ganglia in response inhibition: evidence from surgery and fMRI in Parkinson's disease
Name of the conference: Seminario Laboratoire de Neurobiologie de la Cognition, CNRS, Université de Provence
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Marseille, France
Date of event: 07/2014
Organising entity: CNRS **Type of entity:** Public Research Body
 Ignacio Obeso.
- 21 Title of the work:** How negative emotions influence task switching: insights from intracranial recordings study in humans.
Name of the conference: Human Brain Mapping
Type of event: Conference **Geographical area:** European Union



Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Hamburgo, Germany

Date of event: 06/2014

Organising entity: Human Brain Mapping Society

Obeso Ignacio; Vanni Mercier G; Mauguière F; Isnard J; Dreher J.C.

22 Title of the work: Right TPJ stimulation shifts the balance between individual cost and the other's benefit

Name of the conference: Human Brain Mapping

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Hamburgo, Germany

Date of event: 06/2014

Organising entity: Human Brain Mapping Society

Obeso Ignacio; Wydoody P; Moisa M; Ruff CC; Dreher JC.

23 Title of the work: Eficacia de la TMS en la rehabilitación de enfermedades neurodegenerativas

Name of the conference: IV Congreso Restauración Neurológica

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

City of event: La Habana, Cuba

Date of event: 03/2014

Organising entity: Centro Internacional de Restauración Neurológica (CIREN)

Ignacio Obeso.

24 Title of the work: The basal ganglia role during executive control of actions as revealed by patients with Parkinson's disease

Name of the conference: IV Congreso Restauración Neurológica

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Upon invitation

City of event: La Habana, Cuba

Date of event: 03/2014

Organising entity: Centro Internacional de Restauración Neurológica (CIREN)

Ignacio Obeso.

25 Title of the work: Impact of unilateral subthalamotomy in fMRI (BOLD signal) in Parkinson's disease during a stop signal task.

Name of the conference: Society for Neuroscience (SfN)

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: San Diego, United States of America

Date of event: 11/2013

Organising entity: Society for Neuroscience (SfN)

Obeso Ignacio; Loayza F; Gonzalez R; Villagra F; Guridi J; Rodriguez Oroz M.C.; Jahanshahi M; Obeso J.A.; Pastor M.A.



- 26** **Title of the work:** Dissociating preSMA role in response inhibition and switching: a TMS study.
Name of the conference: Human Brain Mapping
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
City of event: Seattle, United States of America
Date of event: 06/2013
Organising entity: Human Brain Mapping Society
Obeso Ignacio; Robles N; Muñoz Marrón E; Redolar Ripoll D.
- 27** **Title of the work:** cTBS on right dorsolateral prefrontal cortex mimics impulsive behavior induced by alcohol.
Name of the conference: Human Brain Mapping
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
City of event: Seattle, United States of America
Date of event: 06/2013
Organising entity: Human Brain Mapping Society
Robles N; Obeso Ignacio; Redolar Ripoll D; Munoz Marron E.
- 28** **Title of the work:** Stimulation of the right TPJ increases prosocial, but not asocial, decision making.
Name of the conference: Symposium on Biology and decision making
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: European Union
Reasons for participation: Review before acceptance
City of event: Paris, France
Date of event: 05/2013
Organising entity: Ecole Normale Superior (ENS)
Obeso Ignacio; Wydoot P; Moisa M; Ruff C; Dreher JC.
- 29** **Title of the work:** PreSMA cognitive functions as revealed by TMS
Name of the conference: Seminario Dr. Avila lab
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
Geographical area: National
Reasons for participation: Upon invitation
City of event: Castellón de la Plana, Valencian Community, Spain
Date of event: 12/2012
Organising entity: Universidad Jaume I
Ignacio Obeso.
- 30** **Title of the work:** Effect of medial prefrontal rTMS on impulsivity and dopamine release in ventral striatum and Globus pallidus
Name of the conference: Society for Neuroscience (SfN)
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
City of event: Washington, United States of America
Date of event: 11/2012
Organising entity: Society for Neuroscience (SfN)
Cho S.S.; Koshimori Y; Obeso Ignacio; Rusjan P; Wilson A; Houle S; Strafella A.



- 31 Title of the work:** The role of preSMA in cognitive control
Name of the conference: Seminario Dr. Hasbroucq lab, Laboratoire de Neurobiologie de la Cognition
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
City of event: Marsella, France
Date of event: 07/2012
Organising entity: CNRS, Université de Provence
Ignacio Obeso.
- 32 Title of the work:** Unilateral subthalamotomy in Parkinson's disease and response inhibition
Name of the conference: Federation of European Neurosciences Society (FENS)
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Barcelona, Spain
Date of event: 06/2012
Organising entity: Federation of European Neurosciences Society (FENS)
Obeso Ignacio; Wilkinson L; Casabona E; Bringas M.L.; Alvarez M.; Rodríguez Oroz M.C.; Pavon N; Alvarez L; Macías R; Jahanshahi M.
- 33 Title of the work:** Semantic and phonemic verbal fluency in Parkinson's disease: influence of clinical and demographic variables
Name of the conference: Congreso de la Sociedad Catalana de Neuropsicología
Type of event: Workshop **Geographical area:** National
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Barcelona, Spain
Date of event: 06/2012
Organising entity: Sociedad Catalana de Neuropsicología
Obeso Ignacio; Casabona E; Bringas M.L.; Alvarez; Jahanshahi M.
- 34 Title of the work:** The role of preSMA and STN in cognitive control
Name of the conference: Seminario Dr. Dreher lab
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
City of event: Lyon, France
Date of event: 05/2012
Organising entity: Institute of Cognitive Neuroscience, CNRS
City organizing entity: Lyon, France
Ignacio Obeso.
- 35 Title of the work:** The role of preSMA in response inhibition: a PET/TMS study
Name of the conference: Society for Neuroscience (SfN)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Washington, United States of America
Date of event: 11/2011
Organising entity: Society for Neuroscience (SfN) **Type of entity:** Business
City organizing entity: Washington, United States of America



Obeso Ignacio; Cho S.S.; Pellecchia G.; Ko J.H.; Strafella A.

- 36** **Title of the work:** Inhibición motora y cognitiva: el papel del núcleo subtalámico
Name of the conference: Congreso de la Sociedad Española de Neurociencia (SENC)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Salamanca, Castile and León, Spain
Date of event: 09/2011
Organising entity: Sociedad Española de Neurociencia (SENC) **Type of entity:** Business
City organizing entity: Salamanca, Castile and León, Spain
Ignacio Obeso.
- 37** **Title of the work:** Effect of theta burst TMS over inferior frontal gyrus and preSMA on response inhibition
Name of the conference: Congreso Satélite Human Brain Mapping en TMS y neuroimagen
Type of event: Workshop **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Quebec, Canada
Date of event: 05/2011
Organising entity: Human Brain Mapping (HBM) **Type of entity:** Business
City organizing entity: Quebec, Canada
Obeso Ignacio; Wilkinson W; Teo J; Rothwell J; Jahanshahi M.
- 38** **Title of the work:** Effect of theta burst TMS over inferior frontal gyrus and preSMA on response inhibition
Name of the conference: Western Toronto Research Day of University of Toronto (UofT)
Type of event: Workshop **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Toronto, Canada
Date of event: 05/2011
Organising entity: University of Toronto (UofT) **Type of entity:** University
City organizing entity: Toronto, Canada
Obeso Ignacio; Wilkinson W; Teo J; Talelli P; Rothwell J; Jahanshahi M.
- 39** **Title of the work:** Response inhibition and initiation under conflict in Parkinson's disease
Name of the conference: Seminario Dr. Rodriguez Fornells lab
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
City of event: Barcelona, Catalonia, Spain
Date of event: 11/2010
Organising entity: Universitat de Barcelona **Type of entity:** University
City organizing entity: Barcelona, Catalonia, Spain
Ignacio Obeso.
- 40** **Title of the work:** The effect of Levodopa on inhibition and response initiation under conflict in Parkinson's Disease
Name of the conference: Congreso Movement Disorders society
Type of event: Conference **Geographical area:** Non EU International



Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Buenos Aires, Argentina

Date of event: 01/06/2010

End date: 05/06/2010

Organising entity: Movement Disorders society

Type of entity: Business

City organizing entity: Buenos Aires, Argentina

Obeso Ignacio; Wilkinson L; Jahanshahi M.

41 Title of the work: Unilateral subthalamotomy in Parkinson's disease and response inhibition

Name of the conference: Congreso Movement Disorders society

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Buenos Aires, Argentina

Date of event: 06/2010

Organising entity: Movement Disorders society

Type of entity: Business

City organizing entity: Buenos Aires, Argentina

Obeso Ignacio; Wilkinson L; Casabona E; Bringas M.L; Alvarez M; Rodríguez Oroz M.C.; Pavon N; Alvarez L; Macías R; Jahanshahi M.

42 Title of the work: Cortical and subcortical contributions in 'higher' order motor control

Name of the conference: Seminario Prof Ridderinkhof lab, ACACIA

Type of event: Seminar

Geographical area: European Union

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

City of event: Amsterdam, Holland

Date of event: 03/2010

Organising entity: University of Amsterdam

Type of entity: University

City organizing entity: Amsterdam, Holland

Ignacio Obeso.

43 Title of the work: Effects of deep brain stimulation of the subthalamic nucleus on inhibition and response initiation under conflict in Parkinson's Disease

Name of the conference: Society for Neuroscience (SfN)

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Chicago, United States of America

Date of event: 10/2009

Organising entity: Society for Neuroscience (SfN)

Type of entity: Business

City organizing entity: Chicago, United States of America

Obeso Ignacio; Wilkinson L; Limousin Dowsey P; Rodríguez Oroz M.C.; Obeso J; Jahanshahi M.

44 Title of the work: Implicit sequence learning on the serial reaction time in Parkinson's disease: the effects of training hand and repeated testing

Name of the conference: Congreso Movement Disorders society

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Paris, France

Date of event: 06/2009



Organising entity: Movement Disorders society

City organizing entity: Paris, France

Obeso Ignacio; Wilkinson L; Casabona E; Bringas M.L.; Alvarez M; Rodríguez Oroz M.C; Pavon N; Alvarez L; Macías R; Jahanshahi M.

45 Title of the work: Effect of theta burst TMS over inferior frontal gyrus and preSMA on response inhibition

Name of the conference: Magstim TMS Summer School

Type of event: Workshop

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Open access

City of event: Londres, United Kingdom

Date of event: 05/2009

Organising entity: Magstim

Type of entity: Business

City organizing entity: Londres, United Kingdom

Obeso Ignacio; Wilkinson W; Teo J; Talelli P; Rothwell J; Jahanshahi M.

46 Title of the work: The role of Basal Ganglia in Inhibitory Processes

Name of the conference: III Congreso Restauración Neurológica

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: La Havana, Cuba

Date of event: 03/2009

Organising entity: Centro Internacional de Restauración Neurológica (CIREN)

City organizing entity: La Habana, Cuba

Obeso Ignacio; Wilkinson L; Casabona E; Bringas M.L.; Alvarez M; Rodríguez Oroz M.C.; Pavon N; Alvarez L; Macías R; Jahanshahi M.

47 Title of the work: The role of Basal Ganglia in Inhibitory Processes

Name of the conference: Parkinson's Disease Society UK Research

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: York, United Kingdom

Date of event: 11/2008

Organising entity: Parkinson's Disease Society

Type of entity: Foundation

City organizing entity: York, United Kingdom

Obeso Ignacio; Wilkinson L; Casabona E; Bringas M.L.; Alvarez M; Rodríguez Oroz M.C.; Pavon N; Alvarez L; Macías R; Jahanshahi M.

48 Title of the work: Response initiation under conflict: effects of Parkinson's disease and Transcranial Magnetic stimulation (TMS).

Name of the conference: Annual Open Day UCL

Type of event: Workshop

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: London, United Kingdom

Date of event: 10/2008

Organising entity: Institute of Neurology, UCL

Type of entity: University

City organizing entity: Londres, United Kingdom

Ignacio Obeso.



- 49** **Title of the work:** Inhibition in tasks involving response conflict is impaired in Parkinson's Disease
Name of the conference: Congreso Movement Disorders society
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Chicago, United States of America
Date of event: 06/2008
Organising entity: Movement Disorders society **Type of entity:** Business
City organizing entity: Chicago, United States of America
Obeso Ignacio; Wilkinson L; Casabona E; Bringas M.L.; Alvarez M; Rodríguez Oroz M.C.; Pavon N; Alvarez L; Macías R; Jahanshahi M.
- 50** **Title of the work:** Theta burst rTMS to primary motor cortex impairs probabilistic implicit sequence learning
Name of the conference: Queen Square Symposium
Type of event: Workshop **Geographical area:** European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Londres, United Kingdom
Date of event: 05/2008
Organising entity: University College of London (UCL) **Type of entity:** University
City organizing entity: Londres, United Kingdom
Obeso Ignacio; Wilkinson L; Teo J; Rothwell J; Jahanshahi M.
- 51** **Title of the work:** Theta burst rTMS to primary motor cortex impairs probabilistic implicit sequence learning
Name of the conference: Society for Neuroscience (SfN)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: San Diego, United States of America
Date of event: 11/2007
Organising entity: Society for Neuroscience (SfN) **Type of entity:** Business
City organizing entity: San Diego, United States of America
Obeso Ignacio; Wilkinson L; Teo J; Rothwell J; Jahanshahi M.

Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** The organization of behaviour
Name of the event: Weekly Seminars
City of event: Madrid, Spain
Date of event: 11/11/2023
End date: 11/11/2023
Organising entity: Cajal Neuroscience Institute
obeso.
- 2** **Title of the work:** The neural and pathological basis of habits
Name of the event: Lab seminars
Date of event: 02/07/2023
End date: 02/07/2023
Organising entity: Stanford University **Type of entity:** University



City organizing entity: Stanford, United States of America

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Human Brain Mappin (HBM)
Primary (UNESCO code): 249000 - Neurosciences
Secondary (UNESCO code): 320105 - Clinical psychology; 610602 - Comparativa psychology
- 2** **Committee title:** Society for Neuroscience (SfN)
Primary (UNESCO code): 249000 - Neurosciences

Organization of R&D activities

- 1** **Title of the activity:** Behavioural addiction and neuromodulation
Type of activity: Invite delegates, presentation of conferences, introduction of researches, design of a logical scientific symposium structure and promote scientific discussions
Geographical area: Non EU International
City of event: Mallorca, Spain
Convening entity: 8th World Congress WADD/ Dual disorders
City convening entity: Mallorca, Spain
Type of participation: Organiser
N° assistants: 1.500
Start-End date: 16/04/2024 - 16/04/2024
Duration: 3 days
- 2** **Title of the activity:** Neuropsychology of neurodegenerative disorders
Type of activity: Invite delegates, presentation of conferences, introduction of researches, design of a logical scientific symposium structure and promote scientific discussions
Geographical area: Non EU International
City of event: Online, Mexico
Convening entity: IV Iberoamerican Neuropsychology Symposium
City convening entity: Online, Mexico
Type of participation: Chairman
N° assistants: 500
Start-End date: 05/06/2021 - 08/06/2021
Duration: 3 days
- 3** **Title of the activity:** Chairing Neuromatch
Type of activity: Invite delegates, presentation of conferences, introduction of researches, design of a logical scientific symposium structure and promote scientific discussions
Geographical area: Non EU International
City of event: Online, United States of America
Convening entity: 2.0. Neuromatch
City convening entity: Online, United States of America
Type of participation: Chairman
N° assistants: 2.500

**Start-End date:** 25/04/2020 - 27/04/2020**Duration:** 3 days**4 Title of the activity:** Parkinson's disease and affectivity simposium**Type of activity:** Invite delegates, presentation of conferences, introduction of researches, design of a logical scientific symposium structure and promote scientific discussions**Geographical area:** Non EU International**City of event:** La Habana, Cuba**Convening entity:** IV Congreso de Restauración Neurológica**Type of entity:** Healthcare Institutions**City convening entity:** La Habana, Cuba**Type of participation:** Chairman**Nº assistants:** 50**Start-End date:** 05/03/2014 - 07/03/2014**Duration:** 3 days**Evaluation and revision of R&D projects and articles****1 Name of the activity:** peer-review**Performed tasks:** Evaluation of scientific quality**Entity where activity was carried out:** Brain Structure and Function**Type of activity:** Review of articles in scientific or technological journals**Frequency of the activity:** 1**Access system:** With express recognition of the credits concerned**Geographical area:** European Union**Start-End date:** 02/01/2016 - 29/01/2015**2 Name of the activity:** peer-review**Performed tasks:** Evaluation of scientific quality**Entity where activity was carried out:** Journal of Neural Engineering**Type of entity:** Business**Type of activity:** Review of articles in scientific or technological journals**Frequency of the activity:** 1**Access system:** With express recognition of the credits concerned**Geographical area:** European Union**Start-End date:** 02/01/2015 - 29/01/2015**3 Name of the activity:** peer-review**Performed tasks:** Evaluation of scientific quality**Entity where activity was carried out:** Brain Imaging and Behavior**Type of activity:** Review of articles in scientific or technological journals**Frequency of the activity:** 1**Access system:** With express recognition of the credits concerned**Geographical area:** European Union**Start-End date:** 02/01/2015 - 29/01/2015**4 Name of the activity:** peer-review**Performed tasks:** Evaluation of scientific quality**Entity where activity was carried out:** Brain**Type of activity:** Review of articles in scientific or technological journals**Frequency of the activity:** 1**Geographical area:** European Union



Access system: With express recognition of the credits concerned

Start-End date: 02/01/2015 - 29/01/2015

5 Name of the activity: peer-review

Performed tasks: Evaluation of scientific quality

Entity where activity was carried out: Movement Disorders Journal

Type of activity: Review of articles in scientific or technological journals

Access system: With express recognition of the credits concerned

Start-End date: 01/10/2012 - 15/11/2014

Type of entity: Business

Frequency of the activity: 3

Geographical area: UE, internacional

6 Name of the activity: peer-review

Performed tasks: Evaluation of scientific quality

Entity where activity was carried out: Neurobiology of Aging

Type of activity: Review of articles in scientific or technological journals

Access system: With express recognition of the credits concerned

Start-End date: 05/09/2013 - 15/10/2013

Type of entity: Business

Frequency of the activity: 1

Geographical area: UE, internacional

7 Name of the activity: peer-review

Performed tasks: Evaluation of scientific quality

Entity where activity was carried out: Neurotherapeutics

Type of activity: Review of articles in scientific or technological journals

Access system: With express recognition of the credits concerned

Start-End date: 15/05/2013 - 15/06/2013

Type of entity: Business

Frequency of the activity: 1

Geographical area: Non EU International

8 Name of the activity: peer-review

Performed tasks: Evaluation of scientific quality

Entity where activity was carried out: Journal of Neuropsychology

Type of activity: Review of articles in scientific or technological journals

Access system: With express recognition of the credits concerned

Start-End date: 01/01/2013 - 01/02/2013

Type of entity: Business

Frequency of the activity: 1

Geographical area: UE, internacional

9 Name of the activity: peer-review

Performed tasks: Evaluation of scientific quality

Entity where activity was carried out: Parkinson's disease

Type of activity: Review of articles in scientific or technological journals

Access system: With express recognition of the credits concerned

Start-End date: 15/10/2012 - 15/11/2012

Frequency of the activity: 1

Geographical area: UE, internacional



- 10 Name of the activity:** peer-review
Performed tasks: Evaluation of scientific quality
Entity where activity was carried out: PLoS ONE journal
Type of activity: Review of articles in scientific or technological journals
Access system: With express recognition of the credits concerned
Start-End date: 15/07/2014 - 20/08/2012
Type of entity: Business
Frequency of the activity: 2
Geographical area: UE, internacional
- 11 Name of the activity:** peer-review
Performed tasks: Evaluation of scientific quality
Entity where activity was carried out: Behavioral Neuroscience
Type of activity: Review of articles in scientific or technological journals
Access system: With express recognition of the credits concerned
Start date: 02/01/2017
Frequency of the activity: 1
Geographical area: European Union
- 12 Name of the activity:** peer-review
Performed tasks: Evaluation of scientific quality
Entity where activity was carried out: Cerebral Cortex
Type of activity: Review of articles in scientific or technological journals
Access system: With express recognition of the credits concerned
Start date: 02/01/2017
Frequency of the activity: 1
Geographical area: European Union
- 13 Name of the activity:** peer-review
Performed tasks: Evaluation of scientific quality
Entity where activity was carried out: Journal of Cognitive Neuroscience
Type of activity: Review of articles in scientific or technological journals
Access system: With express recognition of the credits concerned
Start date: 02/01/2017
Frequency of the activity: 1
Geographical area: European Union
- 14 Name of the activity:** peer-review
Performed tasks: Evaluation of scientific quality
Entity where activity was carried out: Neuroimage
Type of activity: Review of articles in scientific or technological journals
Access system: With express recognition of the credits concerned
Start date: 02/01/2017
Frequency of the activity: 1
Geographical area: European Union
- 15 Name of the activity:** peer-review
Performed tasks: Evaluation of scientific quality
Entity where activity was carried out: Neuropsychology
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1



Access system: With express recognition of the credits concerned

Start date: 02/01/2017

Geographical area: European Union

16 Name of the activity: peer-review

Performed tasks: Evaluation of scientific quality

Entity where activity was carried out: Cortex

Type of activity: Review of articles in scientific or technological journals

Access system: With express recognition of the credits concerned

Start date: 02/01/2016

Frequency of the activity: 1

Geographical area: European Union

17 Name of the activity: peer-review

Performed tasks: Evaluation of scientific quality

Entity where activity was carried out: Nature

Type of activity: Review of articles in scientific or technological journals

Access system: With express recognition of the credits concerned

Start date: 02/01/2016

Frequency of the activity: 1

Geographical area: European Union

18 Name of the activity: editor

Performed tasks: Special issue editorial work

Entity where activity was carried out: Frontiers in Neuroscience

Type of activity: Participation in editorial committees

Access system: By public merit

Start date: 01/12/2014

Type of entity: Business

Frequency of the activity: 1

Geographical area: UE, internacional

Other achievements

Stays in public or private R&D centres

1 Entity: Caltech University

City of entity: Pasadena, United States of America

Start-End date: 01/05/2023 - 05/09/2023

Goals of the stay: visiting scholar

2 Entity: University of Zurich

City of entity: Zurich, Switzerland

Start-End date: 01/02/2013 - 07/03/2013

Goals of the stay: Post-doctoral

Provable tasks: colecta de datos comportamentales, desarrollo de experimentos, colaboración internacional

Type of entity: University

Duration: 1 month - 6 days

3 Entity: Centro Internacional de Restauración Neurológica (CIREN)

City of entity: La Habana, Cuba

Start-End date: 01/09/2008 - 20/12/2008

Type of entity: Healthcare Institutions

Duration: 3 months



Goals of the stay: Doctorate

Provable tasks: evaluación neuropsicológica de pacientes, experimentos científicos

Obtained grants and scholarships

1 Name of the grant: PFIS

Aims: Pre-doctoral

Awarding entity: Instituto de Salud Carlos III

Type of entity: Public Research Body

Conferral date: 01/01/2021

Duration: 4 years

End date: 31/12/2024

Entity where activity was carried out: HM-CINAC

2 Name of the grant: Fondos de Investigaciones Sanitarias (FIS)

Aims: Investigator

Awarding entity: Instituto de Salud Carlos III

Type of entity: Public Research Body

Conferral date: 31/07/2019

Duration: 3 years

End date: 31/12/2023

Entity where activity was carried out: Fundación Hospitales Madrid

Faculty, institute or centre: Hospitales Madrid, CINAC

3 Name of the grant: International Research Stay del Amo

Aims: visiting scholar

Awarding entity: Fundacion Del Amo

Conferral date: 01/05/2023

End date: 04/09/2023

4 Name of the grant: Jose Castillejo Research Abroad Period

Aims: visiting scholar

Awarding entity: MINECO

Conferral date: 01/05/2023

End date: 04/09/2023

5 Name of the grant: BIAL research grant

Aims: Investigator

Awarding entity: BIAL foundation

Conferral date: 01/2019

Duration: 3 years

End date: 12/2021

Entity where activity was carried out: Fundación Hospitales Madrid

Faculty, institute or centre: Hospitales Madrid, CINAC

6 Name of the grant: Predoctoral studies abroad

City awarding entity: Londres, United Kingdom

Aims: Pre-doctoral

Awarding entity: FUNDACION CAJA DE MADRID

Amount of the grant: 34.000 €

Conferral date: 01/09/2008

Duration: 2 years

End date: 30/09/2010

Entity where activity was carried out: University College of London (UCL)

Faculty, institute or centre: Institute of Neurology



- 7** **Name of the grant:** Travel Fellowship
City awarding entity: Buenos Aires, Argentina
Aims: Pre-doctoral
Awarding entity: Guarantors of Brain travel scholarships
Type of entity: Business
Amount of the grant: 1.000 €
Conferral date: 01/06/2010
Duration: 3 days
End date: 04/06/2010
Entity where activity was carried out: Movement Disorders Society Congress
- 8** **Name of the grant:** Travel Fellowship
City awarding entity: Buenos Aires, Argentina
Aims: Pre-doctoral
Awarding entity: Movement Disorders travel grant
Type of entity: Business
Amount of the grant: 1.000 €
Conferral date: 01/06/2010
Duration: 3 days
End date: 04/06/2010
Entity where activity was carried out: Movement Disorders Society Congress
- 9** **Name of the grant:** Research project: The Role of the Basal Ganglia in Cognition and Higher Motor Control as revealed by Stereotactic surgery.
City awarding entity: La Habana, Cuba
Aims: Pre-doctoral
Awarding entity: The royal society
Type of entity: Foundation
Amount of the grant: 338.900 €
Conferral date: 01/05/2007
Duration: 2 years
End date: 30/04/2009
Entity where activity was carried out: Centro Internacional de Restauración Neurológica (CIREN)
- 10** **Name of the grant:** Travel Fellowship
City awarding entity: Chicago, United States of America
Aims: Pre-doctoral
Awarding entity: Guarantors of Brain travel scholarships
Type of entity: Business
Amount of the grant: 1.000 €
Conferral date: 04/06/2008
Duration: 4 days
End date: 08/06/2008
Entity where activity was carried out: Movement Disorders Society Congress
- 11** **Name of the grant:** Travel Fellowship
City awarding entity: York, United Kingdom
Aims: Pre-doctoral
Awarding entity: Parkinson's disease Society travel grant
Type of entity: Foundation
Amount of the grant: 400 €
Conferral date: 13/04/2008
Duration: 4 days
End date: 17/04/2008
Entity where activity was carried out: Parkinson's disease Society congress



- 12 Name of the grant:** Miguel Servet
Aims: Investigator
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 01/2019 **Duration:** 5 years
Entity where activity was carried out: Fundación Hospitales Madrid
Faculty, institute or centre: Hospitales Madrid, CINAC
- 13 Name of the grant:** Travel fellowship
Aims: congreso
Awarding entity: Federation of European Neuroscience Societies (FENS) **Type of entity:** federacion
Conferral date: 04/2016
Entity where activity was carried out: FENS 2016
- 14 Name of the grant:** Sara Borrell
Aims: Post-doctoral
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 02/2016 **Duration:** 3 years
Entity where activity was carried out: Fundación Hospitales Madrid
Faculty, institute or centre: Hospitales Madrid, CINAC

Scientific societies and professional associations

- 1 Name of the society:** Human Brain Mapping (HBM)
Start-End date: 01/05/2016 - 01/04/2018
- 2 Name of the society:** Federation of European Neuroscience Societies (FENS)
Start-End date: 01/04/2016 - 01/03/2017
- 3 Name of the society:** iTRUST
Start date: 01/10/2023
- 4 Name of the society:** Society for Neuroscience (SfN)
City affiliation entity: Washington D.C., United States of America
Start date: 01/01/2013
- 5 Name of the society:** Sociedad Española de Neurociencia (SENC)
City affiliation entity: Spain
Start date: 01/05/2011



Editorial councils

- 1** **Name of the editorial council:** Experimental Brain Research
Start date: 01/01/2024
- 2** **Name of the editorial council:** Frontiers in Systems Neuroscience
Affiliation entity: Frontiers
Start date: 01/02/2022
- 3** **Name of the editorial council:** Special topic Frontiers in Neuroscience
Affiliation entity: Frontiers
Start date: 01/02/2017