



**Institute of
Neurosciences**

ANNUAL REPORT 2017



Institut de Neurociències
UNIVERSITAT DE BARCELONA



**UNIVERSITAT DE
BARCELONA**

Campus d'Excel·lència Internacional

B:KC Barcelona
Knowledge
Campus

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of Barcelona
Campus

Institute of Neurosciences

Annual Report

2017

**“from the neuron to the large-scale
function of the brain”**

Institute of Neurosciences of the University of Barcelona

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Institute of Neurosciences of the University of Barcelona

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Message from the Director

It is my pleasure to make public the 2017 Edition of our Annual Report. This year 2017 was a great one for the Institute of Neuroscience of the University of Barcelona. We are proud to rank **35th in the US News Best Global Universities Ranking**, and the talent of our investigators has been recognized with the award of one **ERC Advanced Grant** and one **ERC Proof of Concept**. Amongst our staff, we have seven researchers from the ICREA institution, four from the ICREA Research Professors program and five from the ICREA Academy Professors program. Our publication record in 2017 raises up to 365 academic papers, and we earned 28M€ from external funds and registered five patents.

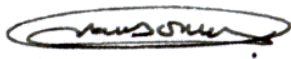
The Institute is a multi-disciplinary effort spanning many years of research with the primary focus of understanding the nervous system, from the neuron and neural circuits to the global function of the brain. During this year, we have **fostered synergies** between different areas of research, supported **research at the frontiers of knowledge**, promoted **technological and knowledge transfer**, and supported high-quality Master and PhD Programmes. The Institute is dedicated to bringing national and international experts in neuroscience to share their experiences. Therefore, in 2017 the Institute organized the 1st edition of the **Neurosciences Conference Series**, which included 11 lectures by internationally distinguished neuroscientists. We also supported the **EuroLife Symposium** on Neurosciences, where professor Per Svenningsson, from Karolinska Institute (Sweden), was awarded the EuroLife medal and gave the final conference of the ceremony. In addition, we organized the **II PhD workshop** to facilitate knowledge exchange and networking between master students and early stage researchers.

We continuously strive to align our research activities with the **Responsible Research and Innovation** guidelines fostered by the European Commission supporting the design of inclusive and sustainable research and innovation. The Institute has engaged with several scientific dissemination and outreach activities such as the 3rd Science Festival of the University of Barcelona and the World Brain Week. In 2017, we launched the **NeuroArt project**, a new educational activity about neuroscience developed to bridge the gap between science and art.

This year I accomplished my term as director of the institute, and I handed over the baton to a new director: Professor **Jordi Alberch, MD. PhD**. It was a real pleasure, as well as a real challenge, to have had the opportunity to be part of the adventure to create the Research Institute for Brain, Cognition and Behaviour (IR3C), first in 2009, and subsequently its transformation into a broader endeavor in 2015, the Institute of Neurosciences of the University of Barcelona. This gave me the opportunity to meet and to collaborate with outstanding scientists, and intriguing persons, and overall it turned out into a never-forget experience. I have no doubt that Prof. Alberch will take the Institute further to the international dimension it deserves. I wish him all kind of success.

It is said that the exploration of the human brain represents one of the last scientific frontiers. Although there has been enormous progress over the past several decades, our knowledge of how the human brain is put together remains limited. Mapping across systems and levels (from genome to cultures) requires interdisciplinary expertise. For years to come, the Institute of Neurosciences will keep working to facilitate national and international collaboration and multidisciplinary research with **the ultimate goal of pushing the boundaries of our understanding of the nervous system.**

Sincerely,

A handwritten signature in black ink, enclosed in a hand-drawn oval. The signature is cursive and appears to read 'Carles Escera'.

Carles Escera
Director of the Institute of Neurosciences

P.S. By the time of sending this out to the printer, we received the excellent news that the ***Institute of Neurosciences of the University of Barcelona*** was selected as **Maria de Maeztu Unit of Excellence**, awarded with two million euros from the Spanish Ministry of Science, Innovation and Universities (call 2017: decision July 13th, 2018)

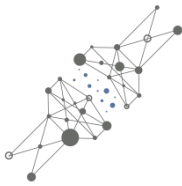
The Institute

The Institute of Neurosciences of the University of Barcelona gathers researchers who work on the **understanding of the central nervous system in all levels of analysis**, ranging from the biology of the neuron, through the formation of neural circuits, to the global function of the brain, which is the basis of cognition and behaviour. **This is the first Institute** of Neurosciences in the country **which integrates research lines in neurobiology, neuropharmacology, physiopathology, neurology, psychiatry, clinical psychology, neuropsychobiology and cognitive neurosciences.**

The Institute gathers about **300** researchers located in four university campuses: Mundet Campus, Barcelona Knowledge Campus, Medicine Campus - Hospital Clínic August Pi i Sunyer, and Bellvitge Health Sciences Campus

Research Areas

Neurobiology and Neuropharmacology



Studies on cells and neural circuits of the nervous system in normal and pathological situations. Research in identifying new therapeutic targets and drugs to treat neurological disorders.

The groups of this area analyze synaptic transmission and its implication in plasticity and memory, and the mechanisms that regulate the neural circuits. Other subjects of research are the identification of signals and description of the molecular pathways related to the development of the nervous system.

Ageing and neurodegenerative illnesses that entail neural death are also studied, determining the elements involved in the neural survival-death balance, such as the mitochondrial dynamics, synaptic activity and signaling pathways.

Most part of the research is oriented to the development of new drugs for the treatment of neurological pathologies. In this sense, researchers of the area are interested in analyzing the pathways to target cells through the blood-brain barrier.

Pathophysiology of Nervous System Diseases

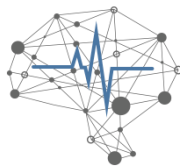
Defining the physiopathological mechanisms involved in the loss of functionality, atrophy and neurodegeneration related to these diseases. A deeper understanding of these mechanisms will allow us to develop new therapeutic strategies to delay or prevent these neurological disorders.



Researchers in this area study the neurodegenerative processes during ageing, in particular those molecular mechanisms involved in Alzheimer's disease and its possible causes, such as the environmental factors. Type 2 Diabetes or possible targets for drug treatment are also researched topics. Other groups are interested in finding new treatments for Huntington's disease, using pharmacological and cellular therapy.

There are research lines oriented towards the development of new therapeutical tools for pain treatment, new pharmacological targets and diseases related to the skeletal muscle, the retina or dystrophies affecting the myelin.

Cognitive Neuroscience and Neuropsychology



Doing research on the neurobiological substrates underlying cognition to unravel the neural circuits involved in mental processes. Neuropsychology groups focus on the clinical application of this knowledge using neuroimaging techniques, genetic studies and cognitive tests.

The research in this area is oriented towards a comprehension of the cerebral mechanisms of auditory perception, attention and music processing. We are interested in disentangling the pathways that allow us to unravel the sensory stimuli and numeric information.

The decline of cognitive capacity during ageing, neural reorganization pathways after trauma and recovery are other studied topics. We also study the effects and neurological bases of dyslexia, cerebrovascular diseases, obesity, severe mental disorders and substance abuse, working with patients.

Cognition, Behaviour and Computation

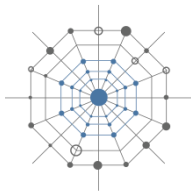
Mechanisms of human and animal behaviour underlying different cognitive processes. Computational research and modelling analyses on studies of behavior, cognition and conservation, from an evolutionary and comparative perspective.



We study the cognitive processes involved in language learning in babies and adults, and episodic memory in both healthy individuals and brain-damaged patients. We examine motor function, decision-making, problem-solving, emotion and reward.

Computation research is applied to both human and other animal models, in order to study orientation, navigation, and spatial memory. We develop computational models and algorithms to simulate the behavior and collective movements of groups like shoals. Moreover, we work on behavior and conservation from an evolutionary perspective developing comparative studies in primates, both in captivity and in the wild.

Clinical and Applied Psychology

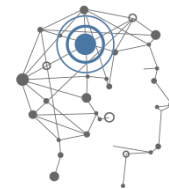


Identification, analysis and intervention of human behaviour disorders, both at individual and at group levels. We are especially concerned with psychological problems, which affect people's quality of life, as well as with the social repercussion of these disorders.

We study the tools that are used for the diagnosis and evaluation of psychological disorders, and apply statistical techniques in order to develop models and improve such tools. We develop tools for the prediction and prevention of violent behavior. We study how to improve the quality of the elderly, and do research on new virtual reality applications for the treatment of psychological disorders, such as anxiety or phobias.

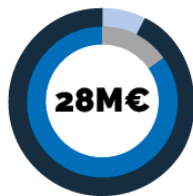
Neurology and Psychiatry

The study of the nervous system in normal conditions and in presence of neurological or psychiatric disorders. The main goals of our research lines are the study of severe psychiatric disorders, the neurological disorders and their histopathological basis, and the development and assessment of new therapies.



Researchers of this area study the molecular and neural mechanisms of chronic pain, inflammation and brain damage. Other lines examine the glutamatergic signals and proteins that are involved in the synapse, the ion channels in glaucoma and sleep-related disorders. We study the neurobiological mechanisms and develop treatments for several neurodegenerative disorders such as Parkinson, autism, bipolar disorder and several psychoses.

Facts & Figures



Ongoing funding

94% Competitive funding
6% Non-competitive funding
85% National
15% International



Patents

365
Publications

1350
Impact Factor



European Research Council



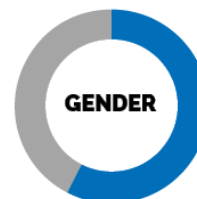
158 Researchers
39 Early stage researchers
15 Technical support
59 Collaborations

4
Research professors

1
Advanced grant

5
Academia professors

1
Proof of concept



152 Women
119 Men

Events

Eurolife Symposium “A journey through Neuroscience”

The Institute of Neurosciences coordinated the Eurolife Autumn Symposium 2017 held on October 24 and 25 at the Faculty of Medicine and Health Sciences of the UB. This symposium gathered the Eurolife university network, the Institute of Neurosciences of the UB and their respective members, as well as students of the Master's degree in Neurosciences. The aim of the conference was to open a sustainable process for dialogue, to exchange knowledge and increase cooperation among Eurolife institutions.

The symposium included the following session:

- Artur Llobet, PhD – “Tight temporal coupling between synaptic rewiring and the emergence of behavior”
- Mercè Pallàs, PhD – “Evaluation of neuroprotective new chemical entities in in vivo models of aging and senescence: Targeting 11 β -Hydroxysteroid dehydrogenase 1 and I2-Imidazoline receptor”
- Maria Mataró, PhD – “Healthy aging and cerebrovascular disease”
- Josep M. Canals, PhD – “Pluripotent stem cells for modelling neurodegenerative disorders and cell replacement strategies”

The symposium ended with a Eurolife Distinguished Lecture, given by professor Per Svenningsson, from Karolinska Institutet (Sweden), as guest speaker. This meeting offered excellent scientists the opportunity to present their current research results to an international scientific audience in the context of the Eurolife meeting series.

Eurolife is a consortium created in 1999 and composed by eight European institutions committed to research and higher education in the field of life and health sciences. The main objectives of the network are to promote transnational interactions by means of research collaboration, and to ensure that academic activities have a European dimension by developing postgraduate programmes, providing study fellowships and promoting student mobility programmes.

Apart from the UB, partner institutions are: the Trinity College Dublin (Ireland), the University of Edinburgh (United Kingdom), the Leiden University Medical Center (LUMC, Netherlands), the Karolinska Institute (Sweden), the University Medical Center Göttingen, the University of Strasbourg (France), the Medical University of Innsbruck (Austria) and the Semmelweis University (Hungary).

Neuroscience Conference Series

The Conference Series of the Institute of Neurosciences are an opportunity to enjoy the experience of international distinguished neuroscientists, who talk about the latest breakthroughs in their field of research, during an hour.

In this first edition, the conferences took place every two weeks, at 13h, on Thursdays or Fridays, in one of the four campuses that built the Institute up: Mundet Campus, Barcelona Knowledge Campus, Medicine Campus – Hospital Clínic August Pi i Sunyer, and Bellvitge Health Science Campus.

The 2017 edition programme included:

- Gemma Casadesus Smith, PhD – Kent State University
- Marlieke van Kesteren, PhD – Vrije Universiteit Amsterdam
- Guillaume Sandoz, PhD – Université de Nice
- Victor Borrell, PhD – Institut de Neurociències d'Alacant
- Chris Evans, PhD – Roehampton University
- Emili Fernàndez-Egea, PhD – University of Cambridge
- Sonja J. Pyott, PhD – University Medical Center Groningen
- Bryan Strange, PhD – Universidad Politécnica de Madrid
- Christian Geis, MD – Jena University Hospital
- Martine Cohen-Salmon, PhD – INSERM
- Manuel Eisner, PhD – University of Cambridge

PhD Workshop

On November 30th and December 1st, the II PhD Workshop of the Institute of Neurosciences of the UB took place. This meeting, with more than a hundred registrations –including PhDs, master's degree students and other researchers-, took place at the Faculty of Biology. During the opening, the director of the Institute of Neurosciences, Carles Escera, and the vice-dean for Research of the Faculty of Biology, Bru Cormand, highlighted the role of young researchers in the Institute. They also highlighted the incorporation of experts on biomedicine, pharmacy and biology to this second meeting, which adds cross-sectional and multidisciplinary views. Regarding future editions of this event, they mentioned that the PhD Workshop aims to be mobile in the different campuses linked to the Institute.

The activity continued with posters sessions, around forty of them, and with oral presentations. These covered different fields such as studies on epilepsy, Huntington's disease, schizophrenia or the Night Eating Syndrome. The expert Artur Llobet, researcher from the Institute and lecturer at the Faculty of Medicine and Health Sciences, talked about the real importance of the impact factor and the methodologies for the publication of scientific articles. Neus Valveny, from Trial Form Support, SL, talked

about future job options, especially those in the non-academic field. She also gave advice and recommendations for job searching and highlighted the medical writing, an essential skill in the field of pharmaceutical industry when writing well-structured documents.

The activity ended with the award ceremony. The award to the best oral presentation was given to Oriol Busquets, for his presentation “Pharmacological inhibition of JNK1 by licochalcone A leads to neuroprotection” and the award to the best poster was for Berta Nicolàs and her “Exploring autobiographical memories for real life sequences of event episodes with a wearable camera”.

International Congresses Grants

In 2017, the Institute of Neurosciences of the University of Barcelona awarded 18 grants to early stage researchers to attend International Congresses, with a total funding of 8,000€.

The aim of this grant is to promote the internationalisation of research and to support the career of young researchers, strengthening the international presence of the research groups from the Institute of Neurosciences of the University of Barcelona.

The Institute has granted the attendance of the following congresses:

- 18th European Conference on Development Psychology - Utrecht
- XIII European meeting on Glial cells in Health and Disease - Edinburgh
- European Neuroscience Conference for Doctoral Students 2017 - Alicante
- XXII International Congress on Personal Construct Psychology - Montreal
- IX Congreso Iberoamericano de Educacion Cientifica- Mendoza
- ICON 2017 - Amsterdam
- 5th Annual Scientific Conference of the European Association of Psychosomatic Medicine - Barcelona
- Neuroscience and Music VI: Music, Sound and Health- Boston
- CYPPI - Wolverhampton
- Neurosciences Annual Meeting - Washington
- 57th Annual Meeting of the Society for Psychophysiological Research (SPR) - Vienna
- European Conference on Visual Perception (ECPV 2017) - Berlin
- Society for Psychotherapy Research And European Chapter 4th Joint Conferences - Oxford

Directory

Researchers

Adan Puig, Ana

Aguado Tomas, Fernando

Alberch Vié, Jordi

Alcántara Horrillo, M.Soledad

Álvarez Artigas, Antonio

Amador Campos, Juan Antonio

Andrés Perpiña, Susana

Andrés Pueyo, Antonio

Anguera Argilaga, M. Teresa

Aso Pérez, Ester

Auladell Costa, M. Carmen

Aznar Casanova, José Antonio

Baeza Pertegaz, Inmaculada

Ballester Plane, Júlia

Barrallo Gimeno, Alejandro

Barrios Cerrejón, M. Teresa

Bartrés-Faz, David

Batista Trobalón, Josep

Benabarre Hernandez, Antonio

Bernardo Arroyo, Miguel

Blasco Ruiz, Ricardo Diego

Blasi Cabús, Juan M. Vianney

Bono Cabré, Roser

Bosch Galceran, Laura

Brito, Verónica Inés

Burgaya Márquez, Ferran

Caldú Ferrús, Xavier

Camins Espuny, Antonio

Canals Coll, Josep M.

Canudas Teixidó, Anna M.

Castro Fornieles, Josefa

Catalán Campos, Rosa

Celdrán Castro, Montserrat

Ciruela Alférez, Francisco

Clemente Lapena, I. Concepción

Colell Mimo, Montserrat

Colomé González, Àngels

Comes Beltrán, Núria

Compta Hirnyj, Yaroslau

Conde Sala, Josep Lluís

Corral López, M. José

Costa Faidella, Jordi

Cotrufo, Tiziana

Cuffi Cheliz, M. Laura

Cutillas Arroyo, Blanca M.

De Diego Balaguer, Ruth

Del Río Fernández, José Antonio

Díez Chamizo, M. Victoria

Dolado Guivernau, Ruth

Dorca Arevalo, Jonatan

Escartín Solanelles, Jorge

Escera, Carles

Estévez Povedano, Raúl

Ettcheto Arriola, Miren

Feixas Viaplana, Guillem

Fernández Dueñas, Victor

Ferrer Abizanda, Isidro

Ferrer Garcia, Marta

Fuentemilla Garriga, Lluís

Gallardo Pujol, David	Miralbell Blanch, Júlia
Gasull Casanova, Xavier	Morer Linan, M. Astrid
Gavin Marín, Rosalina	Nunez Pena, M. Isabel
Ginés Padrós, Silvia	Pallàs Lliberia, Mercè
Goikolea Alberdi, José Manuel	Parellada Rodón, Eduardo
Gómez Benito, Juana	Pascual Sánchez, Marta
Graus Ribas, Francesc	Pelegrí Gabalda, M. del Carme
Griñán Ferré, Cristian Gaspar	Penades Rubió, Rafael
Gual Sala, Arcadi	Pereda Beltrán, Noemí
Guàrdia Olmos, Joan	Pérez-Navarro, Esther
Guilera Ferré, Georgina	Peró Cebollero, Maribel
Gutiérrez Maldonado, José	Perpiña Martín, Unai
Jimenez Guerrero, Andrés	Pons Gimeno, Ferran
Junqué Plaja, Carme	Pueyo Benito, M. del Roser
Jurado Luque, M. Ángeles	Pugliese, Marco
Keil, Matthias Sven	Puig Navarro, Olga
Kirchner Nebot, Teresa	Pujadas Puigdomènech, Lluís
Lázaro Garcia, M. Luisa	Quera Jordana, Vicenç
Leiva Ureña, David	Redondo Illescas, Santiago
Llobet Berenguer, Artur	Rodríguez Allué, Manuel Jose
Llorens Baucells, Jordi	Rodríguez Carballeira, Álvaro
López Cano, Marc	Rodríguez Ferreiro, Javier
López Moliner, Joan	Rodríguez Fornells, Antonio
Magallón Neri, Ernesto Mijail	Rumenov Manolov, Rumen
Malagelada Grau, Cristina	Saldaña Garcia, M. Carmen
Marco Pallarés, Josep	Saldaña Tops, Omar Andrés
Martínez Aran, Ana Isabel	Salvador Beltrán, Francesc
Martín-Santos Laffon, M. del Rocio	San Miguel Insua, Iria
Masana Nadal, Mercè	Sansa Aguilar, Joan
Mataró Serrat, Maria	Saura Martí, Josep
Maydeu Olivares, Alberto	Segura Fabregas, Bàrbara
Méndez Zunzunegui, Ana	Serra Grabulosa, José Maria
Mezquida Mateos, Gisela	Slater, Melvyn

Solanas Pérez, Antonio

Soler Martín, Carla

Solsona Sancho, Carles M.

Sopena Sisquella, José M.

Soriano García, Eduardo

Soriano Raya, Juan José

Soriano Zaragoza, Francesc Xavier

Soto del Cerro, David

Straccia, Marco

Supèr, Hendrik Anne

Torra Santamaria, M.Mercedes

Torres Giménez, Anna

Tubau Sala, Elisabet

Ulloa Darquea, Fausto A

Ureña Barés, Jesús Mariano

Valdés Miyar, José Manuel

Vallano Ferraz, Antonio Francisco

Verdaguer Cardona, Ester

Via Garcia, Marc

Vidal Gómez, José Antonio

Vieta Pascual, Eduard

Vilaplana Hortensi, Jordi

Villar Posada, Feliciano

Postdoctoral Researchers

Muhaisen, Ashraf

Baggio, Hugo Cesar

Eiroa Orosa, Francisco José

Elorza Vidal, Xabier

Manso Sanz, Yasmina

Mirra, Serena

Parcerisas Mosqueda, Antoni

Pardo Muñoz, Mónica

Rossi, Daniela

Sindreu Balet, Carlos

Early Stage Researchers (PhD Students)

Abellaneda Pérez, Kilian

Abós Ortega, Alexandra

Andrés Bilbé, Alba

Antelo González, Emma

Augé Marí, Elisabet

Barranco Muñoz, Neus

Birulés Muntané, Joan

Cabezón, Itzaso

Cámara López, Clara

Campabadal Delgado, Ana

Casellas Díaz, Sergi

Castells Sánchez, Alba

Del Valle Acosta, Alba

García Forn, Marta

García Mieres, Helena

Ghita, Ileana Alexandr

Gorina Careta, Natàlia

Greguske, Erin

Hernaiz Llorens, Marc

Izquierdo Cadenas, Vanesa

Jörges, Björn Jan

Knelange, Elisabeth B.

Lobón Garcia, Irene

Lamonja Vicente, Noemi

Longáres Hernández, Lara

Laporta Hoyos, Olga

López Caballero, Francisco José

Martín Flores, Núria

Medina Alcaráz, Juan Carlos

Moggia, Danilo Orlando

Ottino González, Jonatan Emanuel

Prats Soteras, Xavier

Puigoriol Illamola, M. Dolors

Ribas Prats, Teresa

Roselló Busquets, Cristina

Segarra Mondejar, Marc

Spinosa, Vittoria

Uribe Codesal, M. del Carmen

Vasilopoulou, Foteini

Technical Support Staff

Andrade López, Carmen

Auge Marí, Elisabet

Comella Bolla, Andrea

Creus Muncunill, Jordi

Fernández Garcia, Sara Elena

Herranz Sotoca, Cristina

Pau Ramón, Montserrat

Pérez Rius, Carla

Pulido Pérez, Cristina

Río Martínez, Laura

Sánchez Castañeda, Cristina

Sánchez Rodríguez, M. Salut

Sedó Cabezón, Lara

Solis Benites, Marco Antonio

Vanneste, David Claire Regis

Collaborators

Álvarez Periel, Elena

Alvear Contreras, Raisa Camilla

Amoretti, Sílvia

Andrés Benito, Pol

Ansoleaga Avila, Belen

Bargalló Alabart, Núria

Barrachina Castillo, Marta

Bioque Alcazar, Miquel

Blazquez Romero, Glória

Bonnin Roig, Caterina Del Mar

Cabrera Llorca, Bibiana

Calvo Escalona, Rosa

Carmona Murillo, Margarita

Castellanos Esparraguera, Aida

Castillo Valentín, Lourdes

Cavero Álvarez, Myriam

Colom Victoriano, Francesc

De La Serna Gómez, Elena

Domínguez Gonzalez, Mayelin

Egmond, Elfi

Frau Méndez, Margalida

García Esparcia, Paula

García Esteve, Lluïsa

García Rizo, Clemente

González Rodríguez, Alexander

Grande Fullana, Iria

Hernandez Ortega, Karina

Hervera Abad, Arnau

Imaz Gurruchaga, M. Luisa

Jimenez Martínez, Ester

Kilteni, Konstantina

Kokkinara, Eleni

Lera Miguel, Sara

Lidón Gil, Laia

López Begines, Santiago

López González, Irene

López Mengual, Ana

Mata Rodríguez, Ágata

Murru, Andrea

Navines De La Cruz, Ricard

Oriolo, Giovanni

Pacchiarotti, Isabella

Palomera Avalós, Verónica

Pedrós Cholvi, Consuelo

Pérez Balaguer, Ariadna

Puig Pinós, Meritxell

Romero Cela, Soledad

Sánchez Moreno, José

Sanfeliu, Coral

Segura Feliu, Miriam

Sole Cabezuelo, Brisa

Sugranyes Ernest, Gisela

Torrent Font, Carla

Torres Vilamajo, Imma

Urrea Zazurca, Laura

Valentí Ribas, Marc

Vidal Sarro, Noemi

Zamorano Ng Teajan, Cristina

Zujar Rubio, M. José

Projects and Funds Granted in 2017

Internationals Projects

European Union (EU)

- 1. People with Intellectual Disabilities with Physical Activities Leaders in the Community (P-PALs)**
Reference:
PI: Guàrdia, Joan
Agency: EIT Health
Duration 2017-2018
Amount: 47,501€
- 2. Unlocking the virtual body: Exploiting the symbiotic relationship between an avatar and its user to modify bodily experience and improve the outcome of eating disorder treatment (SYMBIOTIC BODY)**
Reference: MSCA-IF-2017-745948
PI: Gutiérrez Maldonado, José
Agency: EU, H2020
Duration: 12/01/2018-11/01/2020
Amount: 158,121€
- 3. Moments in time in immersive virtual environments (MOTIVE)**
Reference: ERC-2017-AdG-742989
PI: Slater, Melyn
Agency: EU, ERC
Duration: 01/01/2018-31/12/2022
Amount: 2,199,318€
- 4. Optimizing response to Li treatment through personalized evaluation of individuals with bipolar I disorder: the R-LiNK initiative (R-LiNK)**
Reference: 754907
PI: Vieta Pascual, Eduard
Agency: EU, H2020
Duration: 01/01/2018-31/12/2022
Amount: 137,347€

International non European Union Projects

- 1. Unraveling the neurobiological substrate of protective cannabinoid actions in the diseased brain**
Reference:
PI: Ferrer Abizanda, Isidre
Agency: Unión Iberoamericana de Universidades
Duration: 15/10/2017-14/10/2018
Amount: 5,250€
- 2. Immersive Virtual Reality Cognitive Treatment (VRCT) for persecutory delusions**
Reference:
PI: Slater, Melyn
Agency: Medical Research Council.
Duration: 01/06/2017-31/05/2020
Amount: 111,894€

National Projects

Spanish Ministry of Economy and Competitiveness (MINECO)

Excellence

- 1. Fenotipos cognitivos en la enfermedad de Parkinson mediante la identificación de patrones de neuroimagen multimodal**
Reference: PSI2017-86930-P
PI: Junqué Plaja, Carme
Agency: MINECO
Duration: 01/01/2018-31/12/2020
Amount: 132,374€
- 2. Percepción de apoyo social y malestar físico y emocional en víctimas de abuso sexual por parte de representantes de la Iglesia Católica**
Reference: DER2017-85269-C3-2-P
PI: Pereda Beltran, Noemi
Agency: MINECO
Duration: 01/01/2018-31/12/2020
Amount: 18,150€
- 3. Codificación de estímulos referenciados a uno mismo versus estímulos referenciados a entes externos: Consecuencias a corto y largo plazo**
Reference: PSI2017-85600-P
PI: San Miguel Insua, Iria
Agency: MINECO
Duration: 01/01/2018-31/12/2020
Amount: 94,985€
- 4. Estudio funcional del proteoma de los receptores AMPA**
Reference: BFU2017-83317-P
PI: Soto Del Cerro, David
Agency: MINECO
Duration: 01/01/2018-31/12/2020
Amount: 133,100€

Challenges

- 1. Modulación de la dinámica de las redes neuronales como estrategia terapéutica para recuperar la disfunción de los ganglios basales en las enfermedades del movimiento**
Reference: SAF2017-88076-R
PI: Alberch Vié, Jordi
Agency: MINECO
Duration: 01/01/2018-31/12/2020
Amount: 326,700€
- 2. Ayudando al cerebro a reconstruirse: comprendiendo las propiedades físicas y metabólicas de los nichos neurogénicos en la búsqueda de terapias regenerativas para daño cerebral**
Reference: BFU2017-83435-R
PI: Alcántara Horrillo, Maria de la Soledad
Agency: MINECO
Duration: 1/01/2018-31/12/2020
Amount: 133,100€

- 3. Modulación de la vía del receptor de la insulina hipocampal como estrategia terapéutica para el tratamiento de la pérdida cognitiva**
Reference: SAF2017-84283-R
PI: Camins Espuny, Antonio
Agency: MINECO
Duration: 1/01/2018-31/12/2020
Amount: 133,100€
- 4. Iluminando los receptores de dopamina, adenosina y GPR37 en enfermedades neurológicas y neuropsiquiátricas**
Reference: SAF2017-87349-R
PI: Ciruela Alferez, Francisco
Agency: MINECO
Duration: 1/01/2018-31/12/2020
Amount: 266,200€
- 5. Inflamación, estrés y microbiota como mediadores entre la obesidad y el funcionamiento cerebral durante la adolescencia**
Reference: PSI2017-86536-C2-1-R
PI: Jurado Luque, Maria Ángeles
Agency: MINECO
Duration: 1/01/2018-31/12/2021
Amount: 87,120€
- 6. Muestreo activo del movimiento 3D y flujo óptico**
Reference: PSI2017-83493-R
PI: López-Moliner, Joan
Agency: MINECO
Duration: 1/01/2018-31/12/2020
Amount: 105,270€
- 7. ¿La proteína RTP801/REDD1 media la disfunción sináptica en procesos neurodegenerativos?**
Reference: SAF2017-88812-R
PI: Malagelada Grau, Cristina
Agency: MINECO
Duration: 1/01/2018-31/12/2020
Amount: 145,200€
- 8. Nuevas aproximaciones frente al accidente cerebrovascular. De los mecanismos moleculares a los tratamientos farmacológicos**
Reference: SAF2017-86622-C2-1-R
PI: Soriano Zaragoza, Francesc Xavier
Agency: MINECO
Duration: 1/01/2018-31/12/2020
Amount: 121,000€

Complementary Actions

- 1. Identidad Personal y Cambio en Procesos Sociales**
Reference: EUIN2017-88733
PI: Feixas Viaplana, Guillem
Agency: MINECO
Duration: 01/11/2017- 31/10/2019
Amount: 24,400€

- 2. Rol de la vitamina D en la prevención de la progresión del daño neuroaxonal retiniano medido por tomografía de coherencia óptica**
Reference: MV17/00021
PI: Graus Ribas, Francesc
Agency: MINECO
Duration: 01/02/2018- 30/04/2018
Amount: 5,785€

- 3. Preparación de la propuesta de ITN: Vestibular Research Training Initiative for the Generation Of Effective Therapies for Inner Ear Diseases**
Reference: EUIN2017-86660
PI: Llorens Baucells, Jordi
Agency: MINECO
Duration: 01/01/2017- 31/12/2018
Amount: 15,195€

- 4. Estancia de formación en nuevas tecnologías y trastornos afectivos**
Reference: MV17/00009
PI: Vieta Pascual, Eduard
Agency: MINECO
Duration: 01/02/2017-31/07/2017
Amount: 11,765€

Institute of Health Carlos III (ISCIII)

FIS

- 1. Identificación de variables biológicas asociadas a la conducta suicida en el trastorno bipolar**
Reference: PI17/01122
PI: Benabarre Hernández, Antonio
Agency: MINECO-ISCIII
Duration: 01/01/2018- 31/12/2020
Amount: 61,105€

- 2. Amplificación de autoagregación de alfa-sinucleína y 4R-tau en tejido cerebral y líquido cerebroespinal mediante RTQuIC como biomarcador diferencial de parkinsonismos degenerativos**
Reference: PI17/00096
PI: Compta Hirnyj, Yaroslau
Agency: MINECO-ISCIII
Duration: 01/01/2018- 31/12/2020
Amount: 90,901€

- 3. Bases neurofisiológicas del picor y dolor crónico: canales iónicos en neuronas sensoriales implicados en enfermedades inflamatorias y oculares**
Reference: PI17/00296
PI: Gasull Casanova, Xavier
Agency: MINECO-ISCIII
Duration: 01/01/2018- 31/12/2020
Amount: 123,420€

- 4. Estado de ánimo, cognición, inflamación y daño cerebral en pacientes con hepatitis C tratados con los 'agentes antivirales directos' estudio de neuroimagen multimodal-Estudio PSICO-AAD**

Reference: PI17/02297
PI: Martín-Santos Laffón, M. Del Rocio
Agency: MINECO-ISCIID
Duration: 01/01/2018- 31/12/2020
Amount: 159,720€

5. Rehabilitación cognitiva en la esquizofrenia: variación genética en los genes BDNF (Val66Met) y COMT (Val158Met) como posible modulador de la respuesta al tratamiento

Reference: PI17/00872
PI: Penades Rubio, Rafael
Agency: MINECO-ISCIID
Duration: 01/01/2018- 31/12/2020
Amount: 91,960€

6. ARTAG (Aging-related tau astroglipathy)

Reference: PI17/00809
PI: Ferrer Abizanda, Isidro
Agency: MINECO-ISCIID
Duration: 01/01/2018- 31/12/2020
Amount: 135,520€

Río Hortega

1. Contratos de formación en investigación

Reference: CM17/00019
PI: Castro Fornieles, Josefa
Agency: MINECO-ISCIID
Duration: 31/01/2018-30/01/2020
Amount: 53,732€

2. Contratos de formación en investigación

Reference: CM17/00102
PI: Vieta Pascual, Eduard
Agency: MINECO-ISCIID
Duration: 31/01/2018- 30/01/2020
Amount: 53,732€

CIBER

1. Enfermedades neurodegenerativas

Reference: CB06/05/0054
PI: Alberch Vié, Jordi
Agency: Ministry of Health and Consume
Duration: 17/11/2006- 31/12/2018
Amount: 51,775€

2. Salud Mental (CIBERSAM)

Reference: CB07/09/0005
PI: Bernardo Arroyo, Miguel

Agency: MINECO
Duration: 2017
Amount: 99,793€

3. Enfermedades neurodegenerativas

Reference: CB06/05/0024
PI: Camins Espuny, Antonio
Agency: Ministry of Health and Consume
Duration: 17/11/2006- 31/12/2018
Amount: 45,523€

4. Enfermedades neurodegenerativas

Reference: CB07/05/2011
PI: Del Río Fernández, José Antonio
Agency: Ministry of Health and Consume
Duration: 2017
Amount: 64,089€

5. CIBERER. Enfermedades Raras

Reference: CB06/07/1003
PI: Estévez Povedano, Raul
Agency: Ministry of Health and Consume
Duration: 12/11/2007- 31/12/2018
Amount: 33,455€

6. Enfermedades neurodegenerativas

Reference: CB06/05/0098
PI: Soriano García, Eduardo
Agency: Ministry of Health and Consume
Duration: 04/12/2012- 31/12/2018
Amount: 68,859€

7. Salud Mental (CIBERSAM)

Reference: CB07/09/0004
PI: Vieta Pascual, Eduard
Agency: MINECO
Duration: 2017
Amount: 190,163€

Health Department of Government of Catalonia

1. Incorporació de Doctora en Psicologia al grup de Trastorn Bipolar de l'Hospital Clínic (IDIBAPS)

Reference: SLT002/16/00331
PI: Vieta Pascual, Eduard
Agency: Health Department of Government of Catalonia
Duration: 28/04/2017- 31/12/2019
Amount: 101,374€

2. Cognició i Plasticitat Cerebral

Reference: SLT002/16/00390
PI: Rodríguez Fornells, Antonio
Agency: Health Department of Government of Catalonia

Duration: 15/04/2017- 31/12/2019
Amount: 102,084€

Private Foundations

- 1. Juego y bienestar en primates cautivos. Beneficios de la terapia de juego en la sociabilidad y la recuperación conductual**
Reference: 3RB090
PI: Colell Mimo, Montserrat
Agency: Fundació Barcelona Zoo
Duration: 27/06/2017-10/11/2018
Amount: 5,175€
- 2. Més enllà de la recuperació: Cap a una assistència en salut mental basada en drets**
Reference:
PI: Eiroa Orosa, Francisco José
Agency: Associació Obertament
Duration: 01/02/2018- 31/12/2018
Amount: 12,000€
- 3. Promoción de autoconciencia y manejo emocional en pacientes con problemas digestivos**
Reference:
PI: Eiroa Orosa, Francisco José
Agency: Fundación Mapfre
Duration: 14/02/2018-13/02/2019
Amount: 48,000€
- 4. Development of novel inhibitors of the chloride channel LRRC8/VRAC, a novel player in ischemia**
Reference: 201,710€
PI: Estévez Povedano, Raúl
Agency: La Marató de TV3 Foundation
Duration: 21/03/2018-20/03/2021
Amount: 199,936€
- 5. Efectes de teràpies combinades d'exercici, mindfulness i estimulació cognitiva en la cognició i la neuroplasticitat en pacients amb ictus isquèmic crònic**
Reference:
PI: Mataró Serrat, Maria
Agency: La Marató de TV3 Foundation
Duration: 01/01/2018-31/12/2020
Amount: 128,404€
- 6. A New family of sEH inhibitors for AD. C117-00053**
Reference:
PI: Pallàs Lliberia, Mercè
Agency: Fundació Caixa de Pensions 'La Caixa'
Duration: 20/11/2017-31/03/2019
Amount: 57,851€

Grants

- 1. Centre per a la producció i validació de teràpies avançades- CREATIO. TECDTP16-1-0002**
Reference:
PI: Canals Coll, Josep Maria
Agency: Agency for Business Competitiveness (ACCIÓ)
Duration: 02/05/2017-02/05/2018
Amount: 45,850€

- 2. Ajut per a estada: Instituto de Investigación de Ciencias de la Conducta, Universidad de Puerto Rico Investigador responsable: Glorisa Canino**
Reference: CAS16/00035
PI: Magallón Neri, Ernesto Mijail
Agency: Ministry of Education, Culture and Sport
Duration: 01/07/2016-30/09/2017
Amount: 9,279€

- 3. Predictor for l-dopa-induced dyskinesia (lid)**
Reference: VALUNI16-1-0057
PI: Malagelada Grau, Cristina
Agency: Agency for Business Competitiveness (ACCIÓ)
Duration: 22/12/2016- 22/12/2017
Amount: 15,070€

- 4. Ajut per incentivar i consolidar la recerca d'excel·lència ja existent a les universitats públiques de Catalunya. Programa ICREA Academia**
Reference:
PI: Pereda Beltran, Noemi
Agency: Catalan Institution for Research and Advanced Studies (ICREA)
Duration: 01/01/2017- 31/12/2021
Amount: 200,000€

- 5. EBT-Eines digitals d'avaluació**
Reference: VALUNI16-1-0066
PI: Serra Grabulosa, José Maria
Agency: Agency for Business Competitiveness (ACCIÓ)
Duration: 22/12/2016-22/12/2017
Amount: 30,276€

- 6. EBT-Virtual body works**
Reference: VALUNI16-1-0062
PI: Slater, Melvyn
Agency: Agency for Business Competitiveness (ACCIÓ)
Duration: 22/12/2016-22/12/2017
Amount: 22,640€

Agreements

The Institute of Neurosciences of the University of Barcelona obtained a total of 697.242 € from national and international agreements during 2017. A total of fortyfour agreements were signed with public or private institutions out of which we highlight Randstad Spain S.L., CEBIOTEX, S.L., Esteve S.A., Andorra Government, ITA Clinic BCN S.L, Justice Department of Catalan Government, among others.

Patents

- 1. Synthetic I2 imidazoline receptor ligands for prevention or treatment of human brain disorders**
Reference: UBTT0327
Type:
Authors: Escolano Mirón, María Carmen; Pallàs Lliberia, Mercè; Griñán Ferre, Christian Gaspar; Abás Prades, Sònia; Callado Hernando, Luis-Felipe; García Sevilla, Jesús A.
- 2. Methods and pharmaceutical composition for the treatment of neurodegenerative disease**
Reference: UBTT0329-E
Type:
Authors: Girault, Jean-Antoine; Giralt, Albert; Inés Brito, Verónica; Ginés, Silvia
- 3. Method for predicting early onset and severity of levodopa induced dyskinesia (LID) in subjects diagnosed of Parkinson disease (PD)**
Reference: UBTT0304
Type:
Authors: Malagelada Grau, Cristina; Martín Flores, Núria; Martí Domènech, Maria Josep; Fernández Santiago, Rubén; Ezquerro Trabalón, Mario
- 4. Method for predicting the onset of extrapyramidal symptoms (EPS) induced by an antipsychotic-based treatment**
Reference: AVCRI196
Type: PCT/EUR/USA
Authors: Mas Herrero, Sergi; Gassó Astorga, Patricia; Malagelada Grau, Cristina; Bernardo Arroyo, Miquel; Lafuente Flo, Amalia
- 5. NETCAL: An interactive platform for large-scale, NETWORK and population dynamics analysis of CALcium imaging recordings (Version 7.0.0 Open Beta).**
Reference: 10.5281/zenodo.1119026
Type: License
Authors: Orlandi, JG; Fernández-García, S; Comella-Bolla, A; Masana, M; García-Díaz Barriga, G; Yaghoubi, M; Kipp, A; Canals, JM; Colicos, MA; Davidsen, J; Alberch, J; Soriano, J.

Publications*

1. Abós, A.; Baggio, H.C.; Segura, B.; García-Díaz, A.I.; Compta, Y.; Martí, M.J.; Valldeoriola, F.; Junqué, C. (2017). Discriminating cognitive status in Parkinson's disease through functional connectomics and machine learning. *Scientific Reports*, 7 (45347).
2. Adan, A.; Antúnez, J.M.; Navarro, J.F. Coping strategies related to treatment in substance use disorder patients with and without comorbid depression. (2017). *Psychiatry Research*, 251, 325-332.
3. Adan, A.; Arredondo, A.Y.; Capella, M.M.; Prat, G.; Forero, D.; Navarro, J.F. (2017) Neurobiological underpinnings and modulating factors in psychotic disorders with a comorbid substance use disorder: A systematic review. *Neuroscience and Biobehavioral Reviews*, 75, 361-377.
4. Adan, A.; Capella, M.D.; Prat, G.; Forero, D.A.; López-Vera, S.; Navarro, J.F. (2017). Executive functioning in men with schizophrenia and substance use disorders. Influence of Lifetime Suicide Attempts. *PLoS One*, 12 (1).
5. Adan, A.; Forero, D.A.; Navarro, J.F. (2017). Personality traits related to binge drinking. A systematic review. *Frontiers In Psychiatry*, 8:134.
6. Adan, A.; Marquez-Arrico, J.E.; Gilchrist, G. (2017). Differences in Health-Related Quality of Life according to co-existing severe mental illness in men receiving treatment for substance use disorder. *Health And Quality Of Life Outcomes*, 15(209).
7. Akiguchi, I.; Pallàs, M.; Budka H.; Akiyama, H.; Ueno, M.; Han, J.; Yagi, H.; Nishikawa, T.; Chiba, Y.; Sugiyama, H.; Takahashi, R.; Unno, K.; Higuchi, K.; Hosokawa, M. SAMP8 mice as a neuropathological model of accelerated brain aging and dementia: Toshio Takeda's legacy and future directions. *Neuropathology*.
8. Alberich, S.; Martínez-Cengotitabengoa, M.; López, P.; Zorrilla, I.; Núñez, N.; Vieta, E.; González-Pinto, A. (2017). Efficacy and safety of ketamine in bipolar depression: A systematic review. *Revista de Psiquiatria y Salud Mental*, 10(2), 104-112.
9. Albi, A.; Pasternak, O.; Minati, L.; Marizzoni, M.; Bartrés-Faz, D.; Bargalló, N.; Bosch, B.; Rossini, P.M.; Marra, C.; Müller, B.; Fiedler, U.; Wiltfang, J.; Roccatagliata, L.; Picco, A.; Nobili, F.M.; Blin, O.; Sein, J.; Ranjeva, J.P.; Didic, M.; Bombois. (2017). Free water elimination improves test-retest reproducibility of diffusion tensor imaging indices in the brain: A longitudinal multisite study of healthy elderly subjects. *Human Brain Mapping*, 38(1), 12-26.
10. Alcolea, D.; Vilaplana, E.; Suárez-Calvet, M. et al. (2017). CSF sAPP β , YKL-40, and neurofilament light in frontotemporal lobar degeneration. *Neurology*. 89(2):178-188.
11. Álvarez-Lister, S.; Pereda, N.; Guilera, G. (2017). Psychopathological correlates of polyvictimization in young offenders. *Criminal Justice and Behavior*, 43(12), 1710-1725.
12. Althen, H., Huutilainen, M., Grimm, S. & Escera, C. (2017). Middle latency response correlates of single and double deviant stimuli in a multi-feature paradigm. *Clinical Neurophysiology* 127, 388-396.

13. Alvarez-Periel E.; Puigdemívol M.; Brito V.; Plattner F.; Bibb J.A.; Alberch J.; Ginés S. (2017). Cdk5 Contributes to Huntington's disease Learning and Memory Deficits via Modulation of Brain Region-Specific Substrates. ***Molecular Neurobiology***.
14. Amici, F; Colell, M; Von Borrell, C; Bueno-Guerra, N. (2017). Meerkats (*Suricata suricatta*) fail to prosocially donate food in an experimental set-up. ***Animal Cognition***.
15. Andrés, A.; Oda-Montecinos, C.; Saldaña, C. (2017). Eating behaviors in a male and female community sample: Psychometric properties of the DEBQ. ***Terapia Psicológica***, 35(2), 141-151.
16. Anguera, M.T. (2017). Introduction to monograph on observational data analysis. ***Anales de Psicología***, 33(3), 433-435.
17. Anguera, M.T.; Camerino, O.; Castañer, M.; Sánchez-Algarra, P.; Onwuegbuzie, A.J. (2017). The Specificity of Observational Studies in Physical Activity and Sports Sciences: Moving Forward in Mixed Methods Research and Proposals for Achieving Quantitative and Qualitative Symmetry. ***Frontiers in Psychology***, 8(2196), 1-13.
18. Arango, C.; Bernardo, M.; Bonet, P.; Cabrera, A.; Crespo-Facorro, B.; Cuesta, M.J.; González, N.; Parrabera, S.; Sanjuan, J.; Serrano, A.; Vieta, E.; Lennox, B.R.; Melau, M. (2017). When the healthcare does not follow the evidence: The case of the lack of early intervention programs for psychosis in Spain. ***Revista de Psiquiatría y Salud Mental***, 10(2), 78-86.
19. Argilés, J.M.; Betancourt, A.; Guàrdia-Olmos, J.; Però-Cebollero, M.; López-Soriano, F.J.; Madeddu, C.; Serpe, R.; Busquets, S. (2017). Validation of the CACHexia SCORe (CASCO). Staging Cancer Patients: The Use of miniCASCO as a Simplified Tool. ***Frontiers in Psychology***, 8(92).
20. Arias, E.; Anguera, M.T. (2017). Observation of interactions in adolescent group therapy: A mixed methods study. ***Frontiers in Psychology***, 8, 1188.
21. Artigas, A.A.; Prados, J. (2017). Perceptual learning transfer in an appetitive Pavlovian task. ***Learning & Behavior***, 45(2), 115-123.
22. Augé, E.; Cabezón, I.; Pelegrí, C.; Vilaplana, J. (2017). New perspectives on corpora amylacea in the human brain. ***Scientific Reports***, 7(41807).
23. Auladell C.; de Lemos L.; Verdaguer E.; Ettcheto M.; Busquets O.; Lazarowski A.; Beas-Zarate C.; Olloquequi J.; Folch J.; Camins A. (2017). Role of JNK isoforms in the kainic acid experimental model of epilepsy and neurodegeneration. ***Frontiers in Bioscience-Landmark Edition***, 26(1), 35-46.
24. Aragón, S., Lapresa, D., Arana, X., Anguera, M.T. & Garzón, B. (2017). Tactical behaviour of winning athletes in major championship 1500-m and 5000-m track finals. ***European Journal of Sport Science***, 16(3), 279-286.
25. Bachmann, C.J.; Aagaard, L.; Bernardo, M.; Brandt, L.; Cartabia, M.; Clavenna, A.; Coma Fusté, A.; Furu, K.; Garuoliené, K.; Hoffmann, F.; Hollingworth, S.; Huybrechts, K.; Kalverdijk, L.J.; Kawakami, K.; Kieler, H.; Kinoshita, T.; López, S.C.; Machado-Al (2017). International trends in clozapine use: A study in 17 countries. ***Acta Psychiatrica Scandinavica***, 136, 37-51.
26. Baeza, I.; Vigo, L.; de la Serna, E.; Calvo-Escalona, R.; Merchán-Naranjo, J.; Rodríguez-Latorre, P.; Arango, C.; Castro-Fornieles, J. (2017). The effects of antipsychotics on weight gain, weight-related

- hormones and homocysteine in children and adolescents: a 1-year follow-up study. *European Child & Adolescent Psychiatry*, 26(1), 35-46.
27. Bahous RH, Jadavji NM, Deng L, Cosín-Tomás M, Lu J, Malysheva O, Leung KY, Ho MK, Pallàs M, Kaliman P, Greene N, Bedell BJ, Caudill MA, Rozen R. (2017). High dietary folate in pregnant mice leads to pseudo-MTHFR deficiency and altered methyl metabolism, with embryonic growth delay and short-term memory impairment in offspring. *Human Molecular Genetics*, 26(5), 888-900.
 28. Baillien, E.; Escartín, J.; Gross, C.; Zapf, D. (2017). Towards a Conceptual and Empirical Differentiation between Workplace Bullying and Interpersonal Conflict. *European Journal of Work and Organizational Psychology*, 26(6), 870-881.
 29. Ballester-Plane, Julia; Schmidt, Ruben; Laporta-Hoyos, Olga; Junque, Carme; Vazquez, Elida; Delgado, Ignacio; Zubiaurre-Elorza, Leire; Macaya, Alfons; Poo, Pilar; Toro, Esther; de Reus, Marcel A.; van den Heuvel, Martijn P.; Pueyo, Roser (2017). Whole-Brain Structural Connectivity in Dyskinetic Cerebral Palsy and Its Association with Motor and Cognitive Function. *Human Brain Mapping*, 38(9), 4594-4612.
 30. Banakou, D.; Slater, M. (2017). Embodiment in a virtual body that speaks produces agency over the speaking but does not necessarily influence subsequent real speaking. *Scientific Reports*, 7.
 31. Baranski, E.; Gardiner, G.; Guillaume, E.; Aveyard, M.; Bastian, B.; Bronin, I; Ivanova, C; Cheng, J. T.; De Kock, F.S.; Denissen, J. J. A.; Gallardo-Pujol, D.; Halama, P.; Han, G. Q.; Bae, J.; Moon, J.; Hong, R. Y.; Hřebíčková, M.; Graf, S.; Iz (2017). Comparisons of Daily Behavior across 21 Countries. *Social Psychological And Personality Science*, 8(3), 252-266.
 32. Barbuti, M.; Carvalho, A.F.; Köhler, C.A.; Murru, A.; Verdolini, N.; Guiso, G.; Samalin, L.; Maes, M.; Stubbs, B.; Perugi, G.; Vieta, E.; Pacchiarotti, I. (2017). Thyroid autoimmunity in bipolar disorder: A systematic review. *Journal of Affective Disorders*, 221, 97-106.
 33. Barbuti, M.; Pacchiarotti, I.; Vieta, E.; Azorin, J.M.; Angst, J.; Bowden, C.L.; Mosolov, S.; Young, A.H.; Perugi, G. (2017). Antidepressant-induced hypomania/mania in patients with major depression: Evidence from the BRIDGE-II-MIX study. *Journal of Affective Disorders*, 221, 187-192.
 34. Barrantes, S.; Sánchez Egea, A.J.; González Rojas, H.A.; Martí, M.J., Compta, Y.; Valldeoriola, F.; Simo Mezquita, E.; Tolosa, E.; Valls-Solè, J. (2017) Differential diagnosis between Parkinson's disease and essential tremor using the smartphone's accelerometer. *PLoS One*. 25; 12(8):e0183843.
 35. Barrecheguren, P.J.; Ros, O.; Cotrufo, T.; Kunz, B.; Soriano, E.; Ulloa, F.; Stoeckli, E.T.; Araújo, S.J. (2017). SNARE proteins play a role in motor axon guidance in vertebrates and invertebrates. *Developmental Neurobiology*, 77(8), 963-974.
 36. Barrio, P.; Mondon, S.; Teixidor, L.; Ortega, L.; Vieta, E.; Gual, A. (2017). One Year Clinical Correlates of EtG Positive Urine Screening in Alcohol-Dependent Patients: A Survival Analysis. *Alcohol and Alcoholism*, 52(4), 460-465.
 37. Barrio, P.; Teixidor, L.; Ortega, L.; Balcells, M.; Vieta, E.; Gual, A. (2017). Patients' Knowledge and Attitudes towards Regular Alcohol Urine Screening: A Survey Study. *Journal Of Addiction Medicine*, 11 (4), 300-307.

38. Barrios, M.; Guilera, G; Selb, M; Gómez-Benito, J. (2017). Identification of problems in the functioning of individuals with schizophrenia from the expert perspective: An internet-based survey. ***Disability and Rehabilitation***, 39(20), 2055-2062.
39. Bartolome, Fernando; Antequera, Desiree; Tavares, Eva; Pascual, Consuelo; Maldonado, Rosario; Camins, Antoni; Carro, Eva. (2017). Obesity and neuroinflammatory phenotype in mice lacking endothelial megalin. ***Journal of Neuroinflammation***, 14.
40. Bauer, M.; Glenn, T.; Alda, M.; Aleksandrovich, M.A.; Andreassen, O.A.; Angelopoulos, E.; Arda, R.; Ayhan, Y.; Baethge, C.; Bharathram, S.R.; Bauer, R.; Baune, B.T.; Becerra-Palars, C.; Bellivier, F.; Belmaker, R.H.; Berk, M.; Bersudsky, Y.; Bickakci . (2017). Solar insolation in springtime influences age of onset of bipolar I disorder. ***Acta Psychiatrica Scandinavica***, 136 (6), 571-582.
41. Bauer, R.; Conell, J.; Glenn, T.; Alda, M.; Arda, R.; Baune, B.T.; Berk, M.; Bersudsky, Y.; Bilderbeck, A.; Bocchetta, A.; Bossini, L.; Castro, A.M,P.; Cheung, E.Y.W.; Chillotti, C.; Choppin, S.; Zompo, M.D.; Dias, R.; Dodd, S.; Duffy, A.; Etain, B.; Fag (2017). International multi-site survey on the use of online support groups in bipolar disorder. ***Nordic Journal of Psychiatry***, 71(6), 473-476.
42. Beatrice S. Hasler; Bernhard Spanlang; Mel Slater (2017). Virtual race transformation reverses racial in-group bias. ***PLoS One***, 12(4), e0174965.
43. Berk, M.; Post, R.; Ratheesh, A.; Gliddon, E.; Singh, A.; Vieta, E.; Carvalho, A.F.; Ashton, M.M.; Berk, L.; Cotton, S.M.; McGorry, P.D.; Fernandes, B.S.; Yatham, L.N.; Dodd, S. (2017). Staging in bipolar disorder: from theoretical framework to clinical utility. ***World Psychiatry***, 16(3), 236-244.
44. Berlanda, V.; Guèrdia, J, Figuera, P.; Pons, E. (2017). Salary scholarships as a factor associated with improved academic performance. ***Advances and Applications in Statistics***, 50 (4), 329-348.
45. Bernardo, M.; Cañas, F.; Herrera, B.; García Dorado, M. (2017). La adherencia predice la remisión sintomática y psicosocial en esquizofrenia: estudio naturalístico de la integración de los pacientes en la comunidad. ***Revista de Psiquiatría y Salud Mental***, 10(3), 149-159.
46. Bernardo, M.; Mas, S.; Bioque, M.; Cabrera, B.; Lobo, A.; González-Pinto, A.; Pina, L.; Corripio, I.; Sanjuán, J.; Mané, A.; Castro-Fornieles, J.; Vieta, E.; Arango, C.; Mezquida, G.; Parellada, M.; Saiz-Ruiz, J.; Cuesta, M.J.; Gassó, P.; (2017). Modelling gene-environment interaction in first episodes of psychosis. ***Schizophrenia Research***, 189, 181-189.
47. Berrocal-Izquierdo, N.; Bernardo, M. (2017). Is cerebrovascular disease a silent condition in patients with chronic schizophrenia-related disorders?. ***International Clinical Psychopharmacology***, 32(2), 80-86.
48. Blanca, M. J.; Alarcón, R.; Arnau, J.; Bono, R.; Bendayan, R. (2017). Effect of variance ratio on ANOVA robustness: Might 1.5 be the limit?. ***Behavior Research Methods***.
49. Blanca, M. J.; Alarcón, R.; Arnau, J.; Bono, R.; Bendayan, R. (2017). Non-normal data: Is ANOVA still a valid option?. ***Psicothema***, 29(4), 552-557.
50. Boadas-Vaello, P.; Sedó-Cabezón, L.; Verdú, E.; Llorens, J. (2017). Strain and Sex Differences in the Vestibular and Systemic Toxicity of 3,3'-Iminodipropionitrile in Mice.. ***Toxicological Sciences***, 156(1), 109-122.

51. Boedhoe, P.S.; Schmaal, L.; Abe, Y.; Ameis, S.H.; Arnold, P.D.; Batistuzzo, M.C.; Benedetti, F.; Beucke, J.C.; Bollettini, I.; Bose, A.; Brem, S.; Calvo, A.; Cheng, Y.; Cho, K.I.; Dallspezia, S.; Denys, D.; Fitzgerald, K.D.; Fouche, J.P.; Giménez, M. (2017). Distinct Subcortical Volume Alterations in pediatric and Adult OCD: A Worldwide Meta- and Mega-Analysis. *American Journal of Psychiatry*, 174(1), 60-69.
52. Bono, R.; Blanca, Maria J.; Arnau, J.; Gomez-Benito, J. (2017). Non-normal Distributions Commonly Used in Health, Education, and Social Sciences: A Systematic Review. *Frontiers in Psychology*, 8.
53. Bortolato, B.; Köhler, C.A.; Evangelou, E.; León-Caballero, J.; Solmi, M.; Stubbs, B.; Belbasis, L.; Pacchiarotti, I.; Kessing, L.V.; Berk, M.; Vieta, E.; Carvalho, A.F. (2017). Systematic assessment of environmental risk factors for bipolar disorder: an umbrella review of systematic reviews and meta-analyses. *Bipolar Disorders*, 19(2), 84-96.
54. Bourdin, P.; Barberia, I.; Oliva, R.; Slater, M. (2017). A Virtual Out-of-Body Experience Reduces Fear of Death. *PLoS One*, 12(1), e0169343.
55. Buongiorno, M.; Antonelli, F.; Compta, Y. et al. (2017). Cross-Sectional and Longitudinal Cognitive Correlates of FDDNP PET and CSF Amyloid- β and Tau in Parkinson's Disease1. *J Alzheimers Dis.* 55(3):1261-1272.
56. Busquets O.; Ettcheto M.; Verdaguer E.; Dario R.; Auladell C.; Beas-Zarate C.; Folch J.; Camins A. (2017). JNK1 inhibition by Licochalcone A leads to neuronal protection against excitotoxic insults derived of kainic acid. *Neuropharmacology*.
57. Busquets, O.; Ettcheto, M.; Pallas, M.; Beas-Zarate, C.; Verdaguer, E.; Auladell, C.; Folch, J.; Camins, A. (2017). Long-term exposition to a high fat diet favors the appearance of beta-amyloid depositions in the brain of C57BL/6J mice. A potential model of sporadic Alzheimer's disease. *Mechanisms of Ageing and Development*, 162, 38-45.
58. Butjosa A; Gómez-Benito J; Myin-Germeyns I; Barajas A; Baños I; Usall J; Grau N; Granell L; Sola A; Carlson J; Dolz M; Sánchez B; Haro JM. (2017). Development and validation of the Questionnaire of Stressful Life Events (QSLE). *Journal of Psychiatric Research*, 95, 213-223.
59. Cabezón, I.; Augé, E.; Bosch, M.; Beckett, A.J.; Prior, I.A.; Pelegrí, C.; Vilaplana, J. (2017). Serial block-face scanning electron microscopy applied to study the trafficking of 8D3-coated gold nanoparticles at the blood-brain barrier. *Histochemistry and Cell Biology*, 148, 3-12.
60. Callejo, A.; Durochat, A.; Bressieux, S.; Saleur, A.; Chabbert, C.; Domènech Juan, I.; Llorens, J.; Gaboyard-Niay, S. (2017). Dose-dependent cochlear and vestibular toxicity of trans-tympanic cisplatin in the rat. *Neurotoxicology*, 60, 1-9.
61. Campabadal, A.; Uribe, C.; Segura, B.; Baggio, H.C.; Abos, A.; Garcia-Diaz, A.I.; Marti, M.J.; Valldeoriola, F.; Compta, Y.; Bargallo, N.; Junque, C. (2017). Brain correlates of progressive olfactory loss in Parkinson's disease. *Parkinsonism & Related Disorders*, 41, 44-50.
62. Carissimi, A.; Adan, A.; Tonetti, L.; Fabbri, M.; Hidalgo, M.P.; Levandovski, R.M.; Natale, V.; Martoni, M. (2017). Physical self-efficacy is associated to body mass index in schoolchildren. *Jornal de Pediatria*, 93(1), 64-69.

63. Cariulo, C.; Azzollini, L.; Verani, M.; Martufi, P.; Boggio, R.; Chiki, A.; Deguire, SM.; Cherubini, M.; Gines, S.; Marsh, J. L.; Conforti, P.; Cattaneo, E.; Santimone, I.; Squitieri, F.; (2017). Phosphorylation of huntingtin at residue T3 is decreased in Huntington's disease and modulates mutant huntingtin protein conformation. ***Proceedings of the National Academy of Sciences of the United States of America - PNAS***, 114(50), E10809-E10818.
64. Carmona, V.R.; Gómez-Benito, J.; Huedo-Medina, T.B.; Rojo, J.E. (2017). Employment outcomes for people with schizophrenia spectrum disorder: A meta-analysis of randomized controlled trials. ***International Journal Of Occupational Medicine And Environmental Health***, 30(3), 345-366.
65. Carreon, TA.; Castellanos, A.; Gasull, X.; Bhattacharya, SK. (2017). Interaction of cochlin and mechanosensitive channel TREK-1 in trabecular meshwork cells influences the regulation of intraocular pressure. ***Scientific Reports***, 7(1), 452.
66. Carreres Pons, M.; Chalansonnet, M.; Venet, T.; Thomas, A.; Nunge, H.; Merlen, L.; Cosnier, F.; Llorens, J.; Campo, P. (2017). Carbon disulfide potentiates the effects of impulse noise on the organ of Corti. ***Neurotoxicology***, 59, 79-87.
67. Castañer, M.; Barreira, D.; Camerino, O.; Anguera, M.T.; Fernandes, T.; Hilenó, R. (2017). Mastery in goal scoring, T-pattern detection and polar coordinate analysis of motor skills used by Lionel Messi and Cristiano Ronaldo. ***Frontiers in Psychology***, 8, 741.
68. Castellanos, A.; Andres, A.; Bernal, L.; Callejo, G.; Comes, N.; Gual, A.; Giblin, J.P.; Roza, C.; Gasull, X. (2017). Pyrethroids inhibit K2P channels and activate sensory neurons: basis of insecticide-induced paraesthesias. ***Pain***, *In press*.
69. Castro, K.; Kirchner, T. (2017). Coping and Psychopathological Profile in Non-Suicidal Self-Injurious Chilean Adolescents. ***Journal of Clinical Psychology***, 74(1), 147-160.
70. Castro-Fornieles, J.; Bargalló, N.; Calvo, A.; Arango, C.; Baeza, I.; Gonzalez-Pinto, A.; Parellada, M.; Graell, M.; Moreno, C.; Otero, S.; Janssen, J.; Rapado-Castro, M.; de la Serna, E. (2017) Gray matter changes and cognitive predictors of 2-year follow-up abnormalities in early-onset first-episode psychosis. ***European Child & Adolescent Psychiatry***, 27(1), 113-126.
71. Celdrán, M.; Villar, F.; Antón, M.; Benito, E. (2017). Grandparent visitation rights in Spain: which psychosocial arguments are taken into account to grant or deny visits?. ***Psychiatry Psychology And Law***.
72. Chang, H.Y.; Tseng, P.T.; Stubbs, B.; Chu, C.S.; Li, D.J.; Fornaro, M.; Carvalho, A.; Solmi, M.; Veronese, N.; Vieta, E.; Chen, T.Y.; Chen, Y.W.; Lin, P.Y.; Chow, P.C. (2017). The efficacy and tolerability of paliperidone in mania of bipolar disorder: A preliminary meta-analysis. ***Experimental and Clinical Psychopharmacology***, 25(5), 422-433.
73. Chaves, A.B.; Colell, M. (2017). String-pulling in Martin's spot-nosed monkey (*Cercopithecus nictitans martini*): evidence of physical continuity understanding. ***Behaviour***, 154(7-8), 719-740.
74. Cherubini, M.; Gines, S. (2017). Mitochondrial fragmentation in neuronal degeneration: Toward an understanding of HD striatal susceptibility. ***Biochemical and Biophysical Research Communications***, 483(4), 1063-1068.

75. Chu, C.S.; Stubbs, B.; Chen, T.Y.; Tang, C.H.; Li, D.J.; Yang, W.C.; Wu, C.K.; Carvalho, A.F.; Vieta, E.; Miklowitz, D.J.; Tseng, P.T.; Lin, P.Y. (2017). The effectiveness of adjunct mindfulness-based intervention in treatment of bipolar disorder: A systematic review and meta-analysis. *Journal of Affective Disorders*, 225, 234-245.
76. Chye, Y.; Solowij, N.; Suo, C.; Batalla, A.; Cousijn, J.; Goudriaan, A.E.; Martin-Santos, R.; Whittle, S.; Lorenzetti, V.; Yücel, M. (2017). Orbitofrontal and caudate volumes in cannabis users: a multi-site mega-analysis comparing dependent versus non-dependent users. *Psychopharmacology*, 234, 1985-1995.
77. Ciruela, F.; Sotelo, E. (2017). Special issue: adenosine receptors. *Molecules*, 22(7), 1220.
78. Comes, M.; Rosa, A.; Reinares, M.; Torrent, C.; Vieta, E. (2017). Functional impairment in older adults with bipolar disorder. *Journal of Nervous and Mental Disease*, 205(6), 443-447.
79. Compta, Y.; Ramos-Campoy, O.; Grau-Rivera, O. et al. (2017) Conjoint FTL-D-FUS of the neuronal intermediate filament inclusion disease type, progressive supranuclear palsy and Alzheimer's pathology presenting as Parkinsonism with early falls and late hallucinations, psychosis and dementia. *Neuropathol Appl Neurobiol*. 43(4):352-357.
80. Compta, Y.; Martí, M.J. (2017) Parkinson disease: What goes around comes around: cognitive impairment as prodromal Parkinsonism? *Nat Rev Neurol*. 13(12):709-710.
81. Corpas, R.; Revilla, S.; Ursulet, S.; Castro-Freire, M.; Kaliman, P.; Petegnief, V.; Giménez-Llort, L.; Sarkis, C.; Pallàs, M.; Sanfeliu, C. (2017) SIRT1 Overexpression in Mouse Hippocampus Induces Cognitive Enhancement through Proteostatic and Neurotrophic Mechanisms. *Mol Neurobiol*. 54(7):5604-5619.
82. Correa-Ghisays, P.; Balanzá-Martínez, V.; Selva-Verag, G.; Vila-Francés, J.; Soria-Olivas, E.; Vivas-Lalinde, J.; San Martín, C.; Borrás, A.M.; Ayesa-Arriola, R.; Sanchez-Moreno, J.; Sánchez-Ort, J.; Crespo-Facorro, B.; Vieta, E.; Tabarés-Seisdedos, R. (2017). Manual motor speed dysfunction as a neurocognitive endophenotype in euthymic bipolar disorder patients and their healthy relatives. Evidence from a 5-year follow-up study. *Journal of Affective Disorders*, 215, 156-162.
83. Cosín-Tomás, M.; Antonell, A.; Lladó, A.; Alcolea, D.; Fortea, J.; Ezquerra, M.; Lleó, A.; Martí, M.J.; Pallàs, M.; Sanchez-Valle, R.; Molinuevo, J.L.; Sanfeliu, C.; Kaliman, P. (2017) Plasma miR-34a-5p and miR-545-3p as Early Biomarkers of Alzheimer's Disease: Potential and Limitations. *Mol Neurobiol*. 54(7):5550-5562.
84. Costa-Faidella, J.; Sussman, Elyse S.; Escera, C. (2017). Selective entrainment of brain oscillations drives auditory perceptual organization. *Neuroimage*, 159, 195-206.
85. Crespo, B.; Bernardo, M.; Sanjuán, J.; Olivares, J.M.; Bravo, M.F.; Franco, M.; Haro, J.M.; García, P.; Penadés, R.; Cabrera, A.; Argimon, J.M.; Arrojo, M.; Pino, J.; Sardina, J.; Anxelu, N.; Carretero, J.; Arango, C.; (2017). Effectiveness, efficiency and efficacy in the multidimensional treatment of schizophrenia: Rethinking project. *Revista de Psiquiatria y Salud Mental*, 10(1), 4-20.
86. Dada, G.; Izu, S.; Monteburuno, C.; Grau, A.; Feixas, G. (2017). Content Analysis of the Construction of Self and Others in Women with Bulimia Nervosa. *Frontiers in Psychology*.

87. Daldin, Manuel; Fodale, Valentina; Cariulo, Cristina; Azzollini, Lucia; Verani, Margherita; Martufi, Paola; Spiezia, Maria Carolina; Deguire, Sean M.; Cherubini, Marta; Macdonald, Douglas; Weiss, Andreas; Bresciani, Alberto; Vonsattel, Jean-Paul Gerard; P (2017). Polyglutamine expansion affects huntingtin conformation in multiple Huntington's disease models. **Scientific Reports**, 7.
88. Data-Franco, J.; Singh, A.; Popovic, D.; Ashton, M.; Berk, M.; Vieta, E.; Figueira, M.L.; Dean, O.M. (2017). Beyond the therapeutic shackles of the monoamines: New mechanisms in bipolar disorder biology. **Progress in Neuro-Psychopharmacology & Biological Psychiatry**, 72, 73-86.
89. de Lemos L.; Junyent F.; Camins A.; Castro-Torres RD.; Folch J.; Olloquequi J.; Beas-Zarate C.; Verdagner E.; Auladell C. (2017). Neuroprotective Effects of the Absence of JNK1 or JNK3 Isoforms on Kainic Acid-Induced Temporal Lobe Epilepsy-Like Symptoms. **Molecular Neurobiology**, 1(22), 795-814.
90. Diana, B.; Zurloni, V.; Elia, M.; Cavallera, C.M.; Jonsson, G.K.; Anguera, M.T. (2017). How Game Location Affects Soccer Performance: T-Pattern Analysis of Attack Actions in Home and Away Matches. **Frontiers in Psychology**, 8, 1415.
91. Díaz-Morales, J.F.; Randler, C.; Arrona-Palacios, A.; Adan, A. (2017). Validation of the MESSi among adult workers and young students: general health and personality correlates. **Chronobiology International**, 34(9), 1288-1299.
92. Dolado, R.; Gimeno, E; Beltran, F.S. (2017). Modeling the emergence of seasonal fission-fusion dynamics in red-capped mangabeys (*Cercocebus torquatus*). **Behavioral Ecology and Sociobiology**, 71(100).
93. Dollard, M.; Dormann, C.; Tuckey, M.; Escartín, J. (2017). Psychosocial safety climate (PSC): Enacted PSC for bullying and psychological health problem reduction. **European Journal of Work and Organizational Psychology**, 26(6), 844-857.
94. Duroux, R.; Ciancetta, A.; Mannes, P.; Yu, J.; Boyapati, S.; Gizewski, E.; Yous, S.; Ciruela, F.; Auchampach, J.A.; Gao, Z-G.; Jacobson, K.A. (2017). Bitopic fluorescent antagonists of the A2A adenosine receptor based on pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine functionalized congeners. **MedChemComm**, 8(8), 1659-1667.
95. Earley, W.; Durgam, S.; Lu, K.; Debelle, M.; Laszlovszky, I.; Vieta, E.; Yatham, L.N. (2017). Tolerability of cariprazine in the treatment of acute bipolar I mania: A pooled post hoc analysis of 3 phase II/III studies. **Journal of Affective Disorders**, 215, 205-212.
96. Edo-Gual, M.; Tomás-Sábado, J.; Gómez-Benito, J.; Monforte-Royo, C.; Aradilla-Herrero, A. (2017). Spanish Adaptation of the Frommelt Attitude toward Care of the Dying Scale (FATCOD-S) in Nursing Undergraduates. **Omega-Journal of Death and Dying**.
97. Eiroa-Orosa, F.J.; Rowe, M. (2017). Taking the Concept of Citizenship in Mental Health across Countries. Reflections on Transferring Principles and Practice to Different Sociocultural Contexts. **Frontiers in Psychology**, 8.
98. Elias, L.R.; Köhler, C.A.; Stubbs, B.; Maciel, B.R.; Cavalcante, L.M.; Vale, A.M.; Gonda, X.; Quevedo, J.; Hyphantis, TN.; Soares, J.C.; Vieta, E.; Carvalho, A.F. (2017). Measuring affective temperaments: a

- systematic review of validation studies of the Temperament Evaluation in Memphis Pisa and San Diego (TEMPS) instruments. *Journal of Affective Disorders*, 212, 25-37.
99. Escandón-Nagel, N.; Dada, G.; Grau, A.; Soriano, J.; Feixas, G. (2017). Eating disorder patients evolution three years after intake in day hospital. *Revista Argentina de Clínica Psicológica*, 26(1), 59-69.
 100. Escartín, J. (2017). Adopting an Evidence-Based Approach to Prevent and Intervene against Workplace Bullying Situations. *J Psychol Psychother*, 7:320.
 101. Escartín, J.; Monzani, L.; Leong, F.; Rodríguez-Carballeira A. (2017). A Reduced form of the Workplace Bullying Scale ‒ The EAPA-T-R: A Useful Instrument for Daily Diary and Experience Sampling Studies. *Work & Stress. An International Journal of Work, Health & Organisations*, 31(1), 1-21.
 102. Escolano-Pérez, E.; Herrero-Nivela, M.L.; Blanco-Villaseñor, A.; Anguera, M.T. (2017). Systematic observation: relevance of this approach in preschool executive function assessment and association with later academic skills. *Frontiers in Psychology*, 8(2031), 1-15.
 103. Estévez, R.; Elorza-Vidal, X.; Gaitán-Peñas, H.; Pérez-Rius, C.; Armand-Ugón, M.; Alonso-Gardón, M.; Xicoy-Espauella, E.; Sirisi, S.; Arnedo, T.; Capdevila-Nortes, X.; López-Hernández, T.; Montolio, M.; Duarri, A.; Teijido, O.; Barrallo-Gimeno, A.; Palac (2017). Megalencephalic leukoencephalopathy with subcortical cysts: A personal biochemical retrospective. *European Journal of Human Genetics*, S1769-7212(12), 30465-2.
 104. Ettcheto M.; Sánchez-López E.; Pons L.; Busquets O.; Olloquequi J.; Beas-Zarate C.; Pallas M.; García M.L.; Auladell C.; Folch J.; Camins A. (2017). Dexibuprofen prevents neurodegeneration and cognitive decline in APPswe/PS1dE9 through multiple signaling pathways. *Redox Biology*, 13, 345-352.
 105. Ettcheto M; Abad S; Petrov D; Pedrós I; Busquets O; Sánchez-López E; Casadesús G; Beas-Zarate C; Carro E; Auladell C; Olloquequi J; Pallàs M; Folch J; Camins A. (2017) Early Preclinical Changes in Hippocampal CREB-Binding Protein Expression in a Mouse Model of Familial Alzheimer's Disease. *Molecular Neurobiology*.
 106. Fabà, Villar, F.; Giuliani, F. (2017). Development of a Measure to Evaluate Gains Among Spanish Dementia Caregivers: The Gains Associated with Caregiving (GAC) Scale. *Archives of Gerontology and Geriatrics*, 68, 76-83.
 107. Fernández-Dueñas V; Azuaje J; Morató X; Cordobilla B; Domingo JC; Sotelo E; Ciruela F. (2017). Synthesis and Characterization of a New Bivalent Ligand Combining Caffeine and Docosahexaenoic Acid. *Molecules*, 22(366).
 108. Fernández-Dueñas, V.; Burgueño, J.; Ciruela, F. (2017). Exploring drug-receptor interaction kinetics: Lessons from a sigma-1 receptor transmembrane biosensor. *Frontiers in Pharmacology*, 8(4).
 109. Fernández-Prieto, I.; Spence, C.; Pons, F.; Navarra, J. (2017). Does language influence the vertical representation of auditory pitch and loudness?. *I-Perception*, 8(3), 1-11.
 110. Ferrer, F.; Vilaseca, R.; Guardia, J. (2017). Positive perceptions and perceived control in families with children with intellectual disabilities: relationship to family quality of life. *Quality & Quantity*, 51(2), 903-918.

111. Ferrer-Garcia, M.; Gutiérrez-Maldonado, J.; Pla-Sanjuanelo, J.; Vilalta-Abella, F.; Riva, G.; Clerici, M.; Ribas-Sabaté, J.; Andreu-Gracia, A.; Fernandez-Aranda, F.; Forcano, L.; Riesco, N.; Sánchez, I.; Escandón-Nagel, N.; Gomez-Tricio, O.; Tena, V. (2017). A randomised controlled comparison of second-level treatment approaches for treatment-resistant adults with bulimia nervosa and binge-eating disorder: assessing the benefits of virtual reality cue exposure therapy. *European Eating Disorders Review*, 25(6), 479-490.
112. Ferrer-Garcia, M.; Pla-Sanjuanelo, J.; Dakanalis, A.; Vilalta-Abella, F.; Riva, G.; Fernández-Aranda, F.; Sánchez, I.; Ribas-Sabaté, J.; Andreu-Gracia, A.; Escandón-Nagel, N.; Gomez-Tricio, O.; Tena, V.; Gutierrez-Maldonado, J. (2017). Eating behavior style predicts craving and anxiety experienced in food-related virtual environments by patients with eating disorders and healthy controls. *Appetite*, 117, 284-293.
113. Ferreri, L.; Rodríguez-Fornells, A. (2017). Music-related reward responses predict episodic memory performance. *Experimental Brain Research*, 235(12), 3721-3731.
114. Flamarique, I.; Baeza, I.; De la Serna, E.; Pons, A.; Bernardo M.; Castro-Fornieles, J. (2017). Thinking about electroconvulsive therapy: The opinions of parents of adolescents with schizophrenia spectrum disorders. *Journal of Child and Adolescent Psychopharmacology*, 27(1), 75-82.
115. Folch J.; Busquets O., Sánchez-López M.E.; Pallàs M.; Beas-Zarate C.; Marin M.; Casadesus G.; Olloquequi J.; Auladell C.; Camins A. (2017). Experimental models for aging and their potential for novel drug discovery. *Current Neuropharmacology*.
116. Font, J.; López-Cano, M.; Notartomaso, S.; Scarselli, P.; Di Prieto, P.; Bresolí-Obach, R.; Battaglia, G.; Malhaire, F.; Rovira, X.; Catena, J.; Giraldo, J.; Pin, J.P.; Fernández-Dueñas, V.; Goudet, C.; Nonell, S.; Nicoletti, F.; Llebaria, A.; Ciruela, F. (2017). Optical control of pain in vivo with a photoactive mGlu5 receptor negative allosteric modulator. *eLife*, 6, e23545.
117. Forcadell, E.; Torrents-Rodas, D.; Vervliet, B.; Leiva, D.; Tortella-Feliu, M.; Fullana, M.A. (2017). Does fear extinction in the laboratory predict outcomes of exposure therapy? A treatment analog study. *International Journal of Psychophysiology*, 121, 63-71.
118. Fortea, A.; Espinosa, L.; Oliveras, C.; Bruguera, P.; Benabarre, A. (2017). Ketamine associated with electroconvulsive therapy for treatment-resistant depression in the elderly: Two case reports. *Revista de Psiquiatria y Salud Mental*, 10(2), 180-195.
119. Fountoulakis, K.N.; Grunze, H.; Vieta, E.; Young, A.; Yatham, L.; Blier, P.; Kasper, S.; Moeller, H.J. (2017). The International College of Neuro-Psychopharmacology (CINP) treatment guidelines for Bipolar disorder in adults (CINP-BD-2017), part 3: The clinical guideline. *International Journal of Neuropsychopharmacology*, 20(2), 180-195.
120. Fountoulakis, K.N.; Vieta, E.; Young, A.; Yatham, L.; Grunze, H.; Blier, P.; Moeller, H.J.; Kasper, S. (2017). The International College of Neuropsychopharmacology (CINP) treatment guidelines for bipolar disorder in adults (CINP-BD-2017), part 4: Unmet needs in the treatment of Bipolar disorder and recommendations for future research. *International Journal of Neuropsychopharmacology*, 20(2), 196-205.

121. Fountoulakis, K.N.; Yatham, L.; Grunze, H.; Vieta, E.; Young, A.; Blier, P.; Kasper, S.; Moeller, H.J. (2017). The International College of Neuro-Psychopharmacology (CINP) treatment guidelines for Bipolar disorder in adults (CINP-BD-2017), part 2: Review, grading of the evidence and a precise algorithm. *International Journal of Neuropsychopharmacology*, 20(2), 121-179.
122. Fountoulakis, K.N.; Young, A.; Yatham, L.; Grunze, H.; Vieta, E.; Blier, P.; Moeller, H.J.; Kasper, S. (2017) The International College of Neuropsychopharmacology (CINP) Treatment Guidelines for Bipolar Disorder in Adults (CINP-BD-2017), Part 1: Background and Methods of the Development of Guidelines. *International Journal of Neuropsychopharmacology*, 20(2), 98-120.
123. Fraguas, D.; Díaz-Caneja, C.M.; Corripio, I.; González-Pinto, A.; Lobo, A.; Bioque, M.; Cuesta, M.J.; Sanjuán, J.; Rodríguez-Toscano, E.; Arias, B.; Sarró, S.; Cabrera, B.; Bulbena, A.; Vieta, E.; Castro-Fornieles, J.; Arango, C.; Bernardo, M.; Parellada. (2017). Gene-environment interaction as a predictor of early adjustment in first episode psychosis. *Schizophrenia Research*, 189, 196-203.
124. François, C.; Cunillera, T.; García, E.; Laine, M.; Rodríguez-Fornells, A. (2017). Neurophysiological evidence for the interplay of speech segmentation and word-referent mapping during novel word learning. *Neuropsychologia*, 98, 56-67.
125. François, C.; Teixidó, M.; Takerkart, S.; Agut, T.; Bosch, L.; Rodríguez-Fornells, A. (2017). Enhanced neonatal brain responses to sung streams predict vocabulary outcomes by age 18 months. *Scientific Reports*, 7(1), 12451.
126. Frau-Méndez, MA.; Fernández-Vega, I.; Ansoleaga, B.; Blanco Tech, R.; Carmona Tech, M.; Del Rio, JA.; Zerr, I.; Llorens, F.; Zarranz, J.; Ferrer, I. (2017). Fatal familial insomnia: mitochondrial and protein synthesis machinery decline in the mediodorsal thalamus. *Brain Pathology*, 27(1), 95-106.
127. Gaig, C.; Graus, F.; Compta, Y. et al. (2017). Clinical manifestations of the anti-IgLON5 disease. *Neurology*. 88(18):1736-1743.
128. Gaitán-Peñas, H.; Apaja, P.M.; Arnedo, T.; Castellanos, A.; Elorza-Vidal, X.; Soto, D.; Gasull, X.; Lukacs, G.L.; Estévez, R. (2017). Leukoencephalopathy-causing CLCN2 mutations are associated with impaired Cl⁻ channel function and trafficking. *Journal of Physiology*, 595(22), 6993-7008.
129. García-Díaz Barriga, G.; Giralt, A.; Anglada-Huguet, M.; Gaja-Capdevila, N.; Orlandi, J.G.; Soriano, J.; Canals, J.M.; Alberch, J. (2017). 7,8 Dihydroxyflavone ameliorates cognitive and motor deficits in a Huntington's disease mouse model through specific activation of the PLC β 1 pathway. *Human Molecular Genetics*, 26(16), 3144-3160.
130. Garcia-Esparcia P; López-González I; Grau-Rivera O; García-Garrido MF; Konetti A; Llorens F; Zafar S; Carmona M; Del Rio JA; Zerr I; Gelpi E; Ferrer I (2017). Dementia with Lewy Bodies: Molecular Pathology in the Frontal Cortex in Typical and Rapidly Progressive Forms. *Frontiers In Neurology*.
131. Garcia-Garcia, M.; Via, M.; Zarnowiec, K.; SanMiguel, I.; Escera, C.; Clemente, I.C. (2017). COMT and DRD2/ANKK-1 gene-gene interaction account for resetting of gamma neural oscillations to auditory stimulus-driven attention. *PLoS One*, 12(2), e0172362.

132. García-Gorro, C.; Càmara, E.; de Diego-Balaguer, R. (2017). Neuroimaging as a tool to study the sources of phenotypic heterogeneity in Huntington's disease. *Current Opinion in Neurology*, 30(4), 398-404.
133. García-Rizo, C.; Casanovas, M.; Fernandez-Egea, E.; Oliveira, C.; Meseguer, A.; Bioque, M.; Cabrera, B.; Mezquida, G.; Kirkpatrick, B.; Bernardo, M. (2017). Blood cell count in antipsychotic-naive patients with non affective psychosis. *Early Intervention in Psychiatry*.
134. Garcia-Rizo, C.; Fernandez-Egea, E.; Oliveira, C.; Meseguer, A.; Cabrera, B.; Mezquida, G.; Bioque, M.; Penadés, R.; Parellada, E.; Bernardo, M.; Kirkpatrick, B. (2017). Metabolic syndrome or glucose challenge in first episode of psychosis? *European Psychiatry*, 41, 42-46.
135. Garrido, G.; Penadès, R.; Barrios, M.; Enríquez, M.; Aragay, N.; Pajares, M.; Vallès, V.; Delgado, L.; Alborni, J.; Faixa, C.; Vendrell, J. M. (2017). Computer-Assisted Cognitive Remediation Therapy in Schizophrenia: Durability of the effects and cost-utility analysis. *Psychiatry Research*, 254, 198-204.
136. Garriga, M.; Solé, E.; González-Pinto, A.; Selva-Vera, G.; Arranz, B.; Amann, B.L.; Saiz-Ruiz, J.; Pérez-Blanco, J.; Vieta, E. (2017). Efficacy ofquetiapine XR vs. placebo as concomitant treatment to mood stabilizers in the control of subthreshold symptoms of bipolar disorder: Result from a pilot, randomized controlled trial. *European Neuropsychopharmacology*, 27, 959-969.
137. Gasso, Patricia; Mas, Sergi; Rodriguez, Natalia; Boloc, Daniel; Garcia-Cerro, Susana; Bernardo, Miquel; Lafuente, Amalia; Parellada, Eduard (2017). Microarray gene-expression study in fibroblast and lymphoblastoid cell lines from antipsychotic-naive first-episode schizophrenia patients. *Journal of Psychiatric Research*, 95, 91-101.
138. Gasso, P.; Rodriguez, N.; Blazquez, A.; Monteagudo, A.; Boloc, D.; Teresa Plana, M.; Lafuente, A.; Lazaro, L.; Albert A.; Mas, S. (2017). Epigenetic and genetic variants in the HTR1B gene and clinical improvement in children and adolescents treated with fluoxetine. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 75, 28-34.
139. González-Rodríguez, A., Catalán, R., Penadés, R., Ruiz, V., Torra, M. & Bernardo, M. (2017). Antipsychotic Response Worsens with Postmenopausal Duration in Women with Schizophrenia. *Journal of Clinical Psychopharmacology*, 36(6), 580-587.
140. Gasso, P.; Rodriguez, N.; Boloc, D.; Blazquez, A.; Torres, T.; Gortat, A.; Teresa Plana, M.; Lafuente, A.; Mas, S.; Albert, J.; Lazaro, L. (2017) Association of regulatory TPH2 polymorphisms with higher reduction in depressive symptoms in children and adolescents treated with fluoxetine. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 77, 236-240.
141. Gavidia, G.; Kannan, S.; Mataro, M.; Perera, A. (2017). Early prediction of Alzheimer's disease using null longitudinal model-based classifiers. *PLoS One*, 12(1), e0168011.
142. Giralt, A.; Brito, V.; Chevy, Q.; Simonnet, C.; Otsu, Y.; Cifuentes-Díaz, C.; de Pins, B.; Coura, R.; Alberch, J.; Ginés, S.; Poncer, J.C.; Girault, J.A. (2017). Pyk2 modulates hippocampal excitatory synapses and contributes to cognitive deficits in a Huntington's disease model. *Nature Communications*, 8, 15592.
143. Giralt, A.; Gómez-Climent, M.Á.; Alcalá, R.; Bretin, S.; Bertrand, D.; Delgado-García, J.M.; Pérez-Navarro, E.; Alberch, J.; Gruart, A. (2017). The AMPA receptor positive allosteric modulator S 47445

- rescues in vivo CA3-CA1 long-term potentiation and structural synaptic changes in old mice. *Neuropharmacology*, 123, 395-409.
144. Gómez-Benito, J., Balluerka, N.; González, A.; Widaman, K. F.; Padilla J. L. (2017). Detecting differential item functioning in behavioral indicators across parallel forms. *Psicothema*, 29(1), 91-95.
145. Gómez-Benito, J.; Guilera, G; Barrios, M.; Rojo, E., Pino, O., Gorostiaga, A., Balluerka, N., Hidalgo, MD., Padilla, JL.; Benítez, I.; Selb, M. (2017). The ICF Core Sets for persons with schizophrenia based on the World Health Organization's International Classification of Functioning, Disability and Health (ICF). *Disability and Rehabilitation*, 13, 1.
146. Gómez-Grau, M.; Albaigès, J.; Casas, J.; Auladell, C.; Dierssen, M.; Vilageliu, Ll.; Grinberg, D. (2017). New murine Niemann-Pick type C models bearing a pseudoexongenerating mutation recapitulate the main neurobehavioural and molecular features of the disease. *Scientific Reports*, 7, 41931.
147. Gómez-Ramos A; Picher A; Garcia E; Garrido P; Hernandez F; Soriano E; Ávila J. (2017). Validation of suspected somatic Single Nucleotide Variations in the brain of Alzheimer disease patients. *Journal of Alzheimer's disease*, 56(3), 977-990.
148. González Rodríguez, A.; Molina Andreu, O.; Penadés Rubio, R.; Catalán Campos, R.; Bernardo Arroyo, M. (2017). Reproductive variables and gynaecological service use in delusional disorder outpatients. *Revista de Psiquiatria y Salud Mental*, 8(2), 92-98.
149. González-Rodríguez, A.; Bernardo, M.; Penadés, R.; Arias, B.; Ruiz Cortés, V.; Seeman, M.V.; Catalán, R. (2017). Do FSH/LH ratio and gonadal hormone levels predict clinical improvement in postmenopausal schizophrenia women?. *Archives Of Womens Mental Health*, 20(5), 613-620.
150. Gorostiaga, A.; Balluerka, N.; Guilera, G; Aliri, J.; Barrios, M. (2017). Functioning in patients with schizophrenia: A systematic review of the literature using the International Classification of Functioning, Disability and Health (ICF) as a reference. *Quality of Life Research*, 26(3), 531-543.
151. Göttlich, M.; Ye, Z.; Rodríguez-Fornells, A.; Münte, T.F.; Krämer, U. (2017). Viewing socio-affective stimuli increases connectivity within an extended default mode network. *Neuroimage*, 148, 8-19.
152. Gradogna, A.; Gaitán-Peñas, H.; Bocaccio, A.; Estévez, R.; Pusch, M. (2017). Cisplatin activates volume sensitive LRRC8 channel mediated currents in Xenopus oocytes. *Channels*.
153. Grande, I.; Sanchez-Moreno, J.; Sole, B.; Jimenez, E.; Torrent, C.; Bonnin, C.M.; Varo, C.; Tabares-Seisdedos, R.; Balanzá-Martínez, V.; Valls, E.; Morilla, I.; Carvalho, A.F.; Ayuso-Mateos, J.L.; Vieta, E.; Martínez-Arán, A. (2017). High cognitive reserve in bipolar disorders as a moderator of neurocognitive impairment. *Journal of Affective Disorders*, 208, 621-627.
154. Greco, A. M.; Guilera, G.; Pereda, N. (2017). School staff members experience and knowledge in the reporting of potential child and youth victimization. *Child Abuse & Neglect*, 72, 22-31.
155. Greenhalgh, A.; González-Blanco, L.; Garcia-Rizo, C.; Fernández-Egea, E.; Miller, B.; Bernardo, M.; Kirkpatrick, B. (2017). Future Directions: How Virtual Reality Can Further Improve the Assessment and Treatment of Eating Disorders and Obesity. *Cyberpsychology Behavior and Social Networking*, 19(2), 148-153.

156. Guàrdia, J.; Carbó, M.; Però, M. & Giné, C. (2017). Item response theory analysis applied to the Spanish version of the personal outcome scale. *Journal of Intellectual Disability Research*.
157. Guardia, J.; Zarabozo, D.; Però, M.; mGudayol, E.; Gómez, F. González, A. (2017). Analysys of Pseudohomophone Ortographic Errors trough Functional Magnetic Resonance Imaging (fMRI). *Spanish Journal of Psychology*, 20(e74), 1-16.
158. Guardia-Olmos, J.; Carbo-Carrete, M.; Pero-Cebollero, M.; Gine, C. (2017). Item response theory analysis applied to the Spanish version of the Personal Outcomes Scale. *Journal of Intellectual Disability Research*, 61(11), 1021-1033.
159. Guàrdia-Olmos, J.; Gallardo-Moreno, G.B.; Gudayol-Ferré, E.; Però-Cebollero, M.; González-Garrido, A.A. (2017). Effect of verbal task complexity in a working memory paradigm in patients with type 1 diabetes. A fMRI study. *PLoS One*, 12(6), e0178172.
160. Guerra, C.; Pereda, N.; Guilera, G. (2017). Poly-victimization and coping profiles: Relationship with externalizing symptoms in adolescents. *Child Abuse & Neglect*, 1-18.
161. Gutiérrez-Rojas, L., Pulido, S., Azanza, J.R., Bernardo, M., Rojo, L., Mesa, F.J. & Martínez-Ortega, J.M. (2017). Meta -Analysis of Glucose Tolerance, Insulin, and Insulin Resistance in antipsychotic-Naïve patients with nonaffective psychosis. *Schizophrenia Research*, 79, 57-63.
162. Hálfðánarson, O.; Zoëga, H.; Aagaard, L.; Bernardo, M.; Brandt, L.; Coma Fusté, A.; Furu, K.; Garuoliené, K.; Hoffmann, F.; Huybrechts, K.F.; Kalverdijk, L.J.; Kawakami, K.; Kieler, H.; Kinoshita, T.; Litchfield, M.; López, S.C.; Machado-Alba, J.E.; Macha (2017). International trends in antipsychotic use: A study in 16 countries, 2005-2014. *European Neuropsychopharmacology*, 27, 1064-1076.
163. Havas, V.; Laine, M.; Rodríguez-Fornells, A. (2017). Brain signatures of early lexical and morphological learning of a new language. *Neuropsychologia*, 101, 47-56.
164. Hernandez-Ojeda, Mariana; Urena-Guerrero, Monica E.; Gutierrez-Barajas, Paola E.; Cardenas-Castillo, Jazmin A.; Camins, Antoni; Beas-Zarate, Carlos. (2017). KB-R7943 reduces 4-aminopyridine-induced epileptiform activity in adult rats after neuronal damage induced by neonatal monosodium glutamate treatment. *Journal of Biomedical Science*, 24.
165. Hidalgo-Mazzei, D.; Reinares, M.; Mateu, A.; Juruena, M.F.; Young, A.H.; Pérez-Sola, V.; Vieta, E.; Colom, F. (2017). Is a SIMPLE smartphone application capable of improving biological rhythms in bipolar disorder?. *Journal of Affective Disorders*, 223(10), 16.
166. Hinzen, W.; Rosselló, J.; Morey, C.; García-Gorro, C.; Camara, E.; Salvador, R.; de Diego-Balaguer, R. (2017). A systematic linguistic profile of spontaneous narrative speech in pre-symptomatic and early stage Huntington's disease. *Cortex*, 1-13.
167. Höglinger, G.U.; Respondek, G.; Stamelou, M.; et al. (2017). Movement Disorder Society-endorsed PSP Study Group. Clinical diagnosis of progressive supranuclear palsy: The movement disorder society criteria. *Mov Disord*, 32(6):853-864.
168. Hoogland, J.; Boel, J.A.; de Bie, R.M.; Geskus, R.B.; Schmand, B.A.; Dalrymple-Alford, J.C.; Marras, C.; Adler, C.H.; Goldman, J.G.; Tröster, A.I.; Burn, D.J.; Litvan, I.; Geurtsen, G.J.; MDS Study Group

- "Validation of Mild Cognitive Impairment in Parkins (2017). Mild cognitive impairment as a risk factor for Parkinson's disease dementia. *Movement Disorders*, 32(7), 1056-1065.
169. Jiménez, E; Sole, B; Arias, B; Mitjans, M; Varo, C; Reinares, M; Bonnín, M; Ruiz, Victoria; Saiz, PA; Garcia-Portilla, M; Buron, P; Bobes, J; Amann, B; Martinez-Aran, A; Torrent, C; Vieta, E; Benabarre, A. (2017). Impact of childhood trauma on cognitive profile in bipolar disorder. *Bipolar Disorders*, 19(5), 363-374.
170. Jiménez-López, E.; Aparicio, A.I.; Sánchez-Morla, E.M.; Rodríguez-Jimenez, R.; Vieta, E.; Santos, J.L. (2017). Neurocognition in patients with psychotic and non-psychotic bipolar I disorder. A comparative study with individuals with schizophrenia. *Journal of Affective Disorders*, 222, 169-176.
171. Jörges, B.; López-Moliner J. (2017). Gravity as a Strong Prior: Implications for Perception and Action. *Frontiers in Human Neuroscience*, 11(203).
172. Kirchner, T.; Magallón-Neri, E.; Forns, M.; Muñoz, D.; Segura, A.; Soler, L.; Planellas, I. (2017). Facing Interpersonal violence: Identifying the coping profile of Poly-victimimized resilient adolescents. *Journal of Interpersonal Violence*.
173. Korn, C.W.; Vunder, J.; Miró, J.; Fuentemilla, Ll.; Hurlmann, R.; Bach, D.R. (2017). Amygdala lesions reduce anxiety-like behavior in a human benzodiazepine-sensitive approach-avoidance conflict test. *Biological Psychiatry*, 87(2), 522-531.
174. Krieger, V.; Amador-Campos, J.A. (2017). Assessment of executive function in ADHD adolescents: contribution of performance tests and rating scales. *Child Neuropsychology*.
175. Kun-Rodrigues, C.; Ross, O.A.; Orme, T. et al. (2017). Analysis of C9orf72 repeat expansions in a large international cohort of dementia with Lewy bodies. *Neurobiol Aging*, 49:214.e13-214.e15.
176. Labouesse M A; Lasalle O; Richetto J; Weber-Stadlbauer U; lafrati J; Notter T; Gschwind T; Pujadas Ll; Soriano E; Reichelt A; Labouesse C; Langhans W; Chavis P ; Meyer U. (2017). Hypervulnerability of the adolescent prefrontal cortex to nutritional stress via reelin deficiency. *Molecular Psychiatry*, 22(7), 961-971.
177. Laporta-Hoyos, O.; Ballester-Plané, J.; Póo, P.; Macaya, A.; Meléndez, M.; Vázquez, E.; Delgado, I.; Zubiaurre-Elorza, L.; Botellero, V.L.; Narberhaus, A.; Toro-Tamargo, E.; Segarra, D.; Pueyo, R. (2017). Proxy-reported quality of life in adolescents and adults with dyskinetic cerebral palsy is associated with executive functions and cortical thickness. *Quality of Life Research*, 26(5), 1209-1222.
178. Laporta-Hoyos, O.; Pannek, K.; Ballester-Plané, J.; Reid, L.B.; Vázquez, É.; Delgado, I.; Zubiaurre-Elorza, L.; Macaya, A.; Póo, P.; Meléndez-Plumed, M.; Junqué, C.; Boyd, R.; Pueyo, R. (2017). White matter integrity in dyskinetic cerebral palsy: Relationship with intelligence quotient and executive function. *NeuroImage Clinical* 15:789–800.
179. Leiva, R.; Griñan-Ferré, C.; Seira, C.; Valverde, E.; McBride, A.; Binnie, M.; Pérez, B.; Luque, F.J.; Pallàs, M.; Bidon-Chanal, A.; Webster, S.P.; Vázquez, S. (2017) Design, synthesis and in vivo study of novel pyrrolidine-based 11 β -HSD1 inhibitors for age-related cognitive dysfunction. *Eur J Med Chem*. 139:412-428.

180. León-Cabrera, P.; Rodríguez-Fornells, A.; Morís, J. (2017). Electrophysiological correlates of semantic anticipation during speech comprehension. *Neuropsychologia*, 99, 326-334.
181. Li, D.J.; Tseng, P.T.; Stubbs, B.; Chu, C.S.; Chang, H.Y.; Vieta, E.; Fornaro, M.; Carvalho, A.F.; Solmi, M.; Veronese, N.; Chen, T.Y.; Chen, Y.W.; Lin, P.Y.; Chow, P.C. (2017) Efficacy, safety and tolerability of aripiprazole in bipolar disorder: An updated systematic review and meta-analysis of randomized controlled trials. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 79, 289-301.
182. Lim, Ryan G.; Salazar, Lisa L.; Wilton, Daniel K.; King, Alvin R.; Stocksdale, Jennifer T.; Sharifabad, Delaram; Lau, Alice L.; Stevens, Beth; Reidling, Jack C.; Winokur, Sara T.; Casale, Malcolm S.; Thompson, Leslie M.; Pardo, Monica; Gerardo Garcia Diaz. (2017). Developmental alterations in Huntington's disease neural cells and pharmacological rescue in cells and mice. *Nature Neuroscience*, 20(5), 648.
183. Lima, A.B.; Köhler, C.A.; Stubbs, B.; Quevedo, J.; Hyphantis, T.N.; Koyanagi, A.; Marazziti, D.; Soares, J.C.; Vieta, E.; Carvalho, A.F. (2017). An exploratory study of the heterogeneity of the jealousy phenomenon and its associations with affective temperaments and psychopathological dimensions in a large Brazilian sample. *Journal of Affective Disorders*, 212, 10-16.
184. Lissek T, Adams M, Adelman J, Ahissar E, Akaaboune M, Akil H, al'Absi M, Arain F, Arango-Lasprilla JC, Atasoy D, Avila J, Badawi A, Bading H, Baig AM, Baleriola J, Belmonte C, Bertocchi I, Betz H, Blakemore C, Blanke O, Boehm-Sturm P, Bonhoeffer T, Bonifa, et al.; Soriano E.; et al.; Hazam M. (Comentary). (2017). Building Bridges through Science. *Neuron*, 96(4), 730-735.
185. Lomas, T.; Medina, J. C.; Ivtzan, I.; Rupprecht, S.; Eiroa-Orosa, F. J. (2017). The impact of mindfulness on the wellbeing and performance of educators: A systematic review of the empirical literature. *Teaching and Teacher Education*, 61, 132-141.
186. Lomas, T.; Medina, J. C.; Ivtzan, I.; Rupprecht, S.; Hart, R.; Eiroa-Orosa, F. J. (2017). The impact of mindfulness on well-being and performance in the workplace: an inclusive systematic review of the empirical literature. *European Journal Of Work And Organizational Psychology*, 26(4), 492-513.
187. Lomas, T.; Medina, J.C.; Ivtzan, I.; Rupprecht, S.; Eiroa-Orosa, F.J (2017). A systematic review of the impact of mindfulness on the wellbeing of healthcare professionals. *Journal of Clinical Psychology*, 1-37.
188. Longares, L., Escartín, J., Barrientos, J., & Rodríguez-Carballeira, Á. (2017). Psychological Abuse in Spanish Same-Sex Couples: Prevalence and Relationship between Victims and Perpetrators. *Innovation-The European Journal Of Social Science Research*.
189. Lopez-Caballero, F.; Escera, C. (2017). Binaural Beat: A Failure to Enhance EEG Power and Emotional Arousal. *Frontiers in Human Neuroscience*, 11, 557.
190. López-Fernández, G.; Barrios, M.; Goberna-Tricas, J.; Gómez-Benito, J. (2017). Breastfeeding during pregnancy: A systematic review. *Women And Birth*.
191. López-González, I., Pérez-Mediavilla, A., Zamarbide, M., Carmona, M., Torrejón Escribano, B., Glatzel, M., Galliciotti, G. & Ferrer, I. (2017). Limited unfolded protein response and inflammation in neuroserpinopathy. *Journal of Neuropathology and Experimental Neurology*, 75, 121-131.

192. López-Jaramillo, C.; Vargas, C.; Díaz-Zuluaga, A.M.; Palacio, J.D.; Castrillón, G.; Bearden, C.; Vieta, E. (2017). Increased hippocampal, thalamus and amygdala volume in long-term lithium-treated bipolar I disorder patients compared with unmedicated patients and healthy subjects. *Bipolar Disorders*, *19*(1), 41-49.
193. Machado, M.O.; Oriolo, G.; Bortolato, B.; Köhler, C.A.; Maes, M.; Solmi, M.; Grande, I.; Martín-Santos, R.; Vieta, E.; Carvalho, A. (2017). Biological mechanisms of depression following treatment with interferon for chronic hepatitis C: A critical systematic review. *Journal of Affective Disorders*, *209*, 235-345.
194. Magallón-Neri, E. (2017). Recensión bibliográfica: López S, Pi-Sunyer MT. Morir cuando la vida empieza. Conocer y despedir al hijo al mismo tiempo. *Gaceta Sanitaria*, *31*(5), 442-442.
195. Magallón-Neri, E.; Vila, D.; Santiago, K.; García, P.; Canino, G. (2017). The Prevalence of Psychiatric Disorders and Mental Health Services Utilization by Parents and Relatives Living With Individuals With Autism Spectrum Disorders in Puerto Rico. *Journal of Nervous and Mental Disease*.
196. Mané, A.; Bergé, D.; Penzol, J.M.; Parellada, M.; Bioque, M.; Lobo, A.; González-Pinto, A.; Corripio, I.; Cabrera, B.; Sánchez-Torres, A.; Saiz, J.; Bernardo, M.; Mezquida, G.; Bargalló, N.; Llorente, C.; Contreras, F. (2017). Cannabis use, COMT, BDNF and age at first-episode psychosis. *Psychiatry Research*, *250*, 38-43.
197. Modreanu, R.; Cerquera, S.C.; Martí, et al. (2017). Cross-sectional and longitudinal associations of motor fluctuations and non-motor predominance with cerebrospinal τ and $A\beta$ as well as dementia-risk in Parkinson's disease. *J Neurol Sci.*, *15*; 373:223-229.
198. Montori-Palacín, E.; Prieto-González, S.; Carrasco-Miserachs, I.; Altes-Capella, J.; Compta, Y.; López-Soto, A.; Bosch, X. (2017) Quick outpatient diagnosis in small district or general tertiary hospitals: A comparative observational study. *Medicine (Baltimore)*, *96*(22):e6886.
199. Manils, J.; Fischer, H.; Climent, J.; Casas, J.; García-Martínez, C.; Bas, J.; Sukseree, S.; Vavouri, T.; Ciruela, J.; de Anta, J.M.; Tschachler, E.; Eckhart, L.; Soler, C. (2017). Double deficiency of Treg2 and DNase1L2 nucleases leads to accumulation of DNA in lingual cornifying keratinocytes without activating inflammatory responses. *Scientific Reports*, *7*, 11902.
200. Manolov, R.; Guilera, G.; Solanas, A. (2017). Issues and advances in the systematic review of single-case research: A commentary on the exemplars. *Remedial and Special Education*, *38*(6), 387-393.
201. Manolov, R.; Losada, J.L. (2017). Simulation Theory Applied to Direct Systematic Observation. *Frontiers in Psychology*, *8*, 905.
202. Manolov, R.; Moeyaert, M. (2017). How can single-case data be analyzed? Software resources, tutorial, and reflections on analysis. *Behavior Modification*, *41*(2), 179-228.
203. Manolov, R.; Moeyaert, M. (2017). Recommendations for choosing single-case data analytical techniques. *Behavior Therapy*, *48*(1), 97-114.
204. Marchese, D.; Botta-Orfila, T.; Cirillo, D.; Rodríguez, J.A.; Livi, C.M.; Fernández-Santiago, R.; Ezquerro, M.; Martí, M.J.; Bechara, E.; Tartaglia, G.G.; Catalan MSA Registry (CMSAR). (Members of CMSAR:

- Ávila, A.; Bayés, A.; Botta-Orfila, T.; Caballol, N (2017). Discovering the 3' UTR-mediated regulation of alpha-synuclein. *Nucleic Acids Research*, 45(22), 12888-12903.
205. Marín, H.; Chaves, A.B.; Posada, S.; Colell, M. (2017). Vertical string-pulling in green jays (*Cyanocorax yncas*). *Behavioural Processes*, 140, 74-80.
206. Mármol, F.; Sánchez, J.; Torres, M.N.; Chamizo, V.D. (2017). Environmental enrichment in the absence of wheel running produces beneficial behavioural and anti-oxidative effects in rats. *Behavioural Processes*, 144, 66-71.
207. Márquez PHP; Torres OH; San-José A; Vidal X; Agustí A; Formiga F; López-Soto A; Ramírez-Duque N; Fernández-Moyano A; Garcia-Moreno J; Arroyo JA; Ruiz D. (2017). Potentially Inappropriate Antihypertensive Prescriptions to Elderly Patients: Results of a Prospective, Observational Study. *Drugs & Aging*, 34(6), 453-466.
208. Martin-Peña, J.; Andrés, A.; Ramos-Villagrasa, P. J.; Escartín, J. (2017). Living under threat: psychosocial effects on victims of terrorism. *Behavioral Sciences of Terrorism and Political Aggression*, 9(3), 191-207.
209. Martínez-Alvarez, A.; Pons, F.; de Diego-Balaguer, R. (2017). Endogenous temporal attention in the absence of stimulus-driven cues emerges in the second year of life. *PLoS One*, 12(9), 1-12.
210. Martínez-Catena, A.; Redondo, S. (2017). Psychological treatment and therapeutic change in incarcerated rapists. *European Journal of Psychology Applied to Legal Context*, 9(1), 41-49.
211. Martínez-Mármol, R.; Comes, N.; Styrzewska, K.; Pérez-Verdaguer, M.; Vicente, R.; Pujadas, Ll.; Soriano, E.; Sorkin, A.; Felipe, A (2017). Ubiquitination mediates Kv1.3 endocytosis as a mechanism for protein Kinase C-dependent modulation. *Scientific Reports*, 10(7), 42395-42411.
212. Martin-Ibanez, Raquel; Guardia, Ines; Pardo, Monica; Herranz, Cristina; Zietlow, Rike; Ngoc-Nga Vinh; Rosser, Anne; Canals, Josep M. (2017). Insights in spatio-temporal characterization of human fetal neural stem cells. *Experimental Neurology*, 291, 20-35.
213. Martín-Ibáñez R.; Pardo M.; Giralte A.; Míguez A.; Guardia I.; Marion-Poll L.; Herranz C.; Esgleas M.; Barriga GG.; Edel MJ.; Vicario-Abejón C.; Alberch J.; Girault JA.; Chan S.; Kastner P.; Canals JM. (2017). Helios expression coordinates the development of a subset of striatopallidal medium spiny neurons. *Development*, 144(8), 1566-1577.
214. Marzecová, A.; Widmann, A.; SanMiguel, I.; Kotz, S.A.; Schröger, E. (2017). Interrelation of attention and prediction in visual processing: Effects of task-relevance and stimulus probability. *Biological Psychology*, in press.
215. Mas, Sergi; Gasso, Patricia; Torra, Merce; Bioque, Miguel; Lobo, Antonio; Gonzalez-Pinto, Ana; Soledad Olmeda, Maria; Corripio, Iluminada; Vieta, Eduard; Castro-Fornieles, Josefina; Rodriguez-Jimenez, Roberto; Bobes, Julio; Usall, Judith; Llerena, Adrian; (2017). Antiparkinsonian efficacy of guanosine in rodent models of movement disorder. *Frontiers in Pharmacology*, 8, 700.
216. Masdeu, MM; Armendáriz, BG; Torre, A; Soriano, E; Burgaya, F; Ureña, JM (2017). Identification of novel Ack1-interacting proteins and Ack1 phosphorylated sites in mouse brain by mass spectrometry. *Oncotarget*, 8(60), 101146-101157.

217. Matamoros-Anglès, A.; Gayosso, M. L.; Richaud-Patin, Y.; di Domenico, A.; Vergara, C.; Hervera, A.; Sousa, A.; Fernandez-Borges, N.; Consiglio, A.; Gavín, R.; López de Maturana, R.; Ferrer, I.; López de Munain, A.; Raya, A.; Castilla, J.; Sánchez-Pernaute (2017). iPS Cell Cultures from a Gerstmann-Sträussler-Scheinker Patient with the Y218N PRNP Mutation Recapitulate tau Pathology. ***Molecular Neurobiology***.
218. Mattotti M; Alvarez Z; Delgado L; Mateos-Timoneda MA; Aparicio C; Planell JA; Alcántara S; Engel E. (2017). Differential neuronal and glial behavior on flat and micro patterned chitosan films. ***Colloids and Surfaces B-Biointerfaces***.
219. Maydeu-Olivares, A. (2017). Assessing the Size of Model Misfit in Structural Equation Models. ***Psychometrika***.
220. Maydeu-Olivares, A. (2017). Maximum likelihood estimation of structural equation models for continuous data: Standard errors and goodness of fit. ***Structural Equation Modeling: A Multidisciplinary Journal***, 24(3), 383-394.
221. Maydeu-Olivares, A.; Fairchild, A.M.; Hall, A.G. (2017). Goodness of Fit in Item Factor Analysis: Effect of the Number of Response Alternatives. ***Structural Equation Modeling: A Multidisciplinary Journal***.
222. Maydeu-Olivares, A.; Shi, D. (2017). Effect sizes of model misfit in structural equation models: Standardized residual covariances and residual correlations. ***Methodology-European Journal Of Research Methods For The Behavioral And Social Sciences***, 13, 383-394.
223. Mesa, V.; Osorio, A.; Ballesta, S.; Marimon, J.M.; Chamizo, V. D. (2017). Geometric vs. non-geometric information: Explaining male rats' selective preferences in a navigation task. ***Learning and Motivation***, 60, 23-33.
224. Mezquida, G.; Cabrera, B.; Bioque, M.; Amoretti, S.; Lobo, A.; González-Pinto, A.; Espliego, A.; Corripio, I.; Vieta, E.; Castro-Fornieles, J.; Bergé, D.; Escarti, M.J.; Ibañez, A.; Penadés, R.; Sánchez-Torres, A.M.; Bernardo, M. (2017). The course of negative symptoms in first-episode schizophrenia and its predictors: A prospective two-year follow-up study. ***Schizophrenia Research***, 189, 84-90.
225. Miskowiak, K.W.; Burdick, K.E.; Martinez-Aran, A.; Bonnin, C.M.; Bowie, C.R.; Carvalho, A.F.; Gallagher, P.; Lafer, B.; López-Jaramillo, C.; Sumiyoshi, T.; McIntyre, R.S.; Schaffer, A.; Porter, R.J.; Torres, I.J.; Yatham, L.N.; Young, A.H.; Kessing, L.V.; (2017). Methodological recommendations for cognition trials in bipolar disorder by the International Society for Bipolar Disorders Targeting Cognition Task Force. ***Bipolar Disorders***, 19(8), 614-626.
226. Miskowiak, K.W.; Kjaerstad, H.L.; Støttrup, M.M.; Svendsen, A.M.; Demant, K.M.; Hoeffding, L.K.; Werge, T.M.; Burdick, K.E.; Domschke, K.; Carvalho, A.F.; Vieta, E.; Vinberg, M.; Kessing, L.V.; Siebner, H.R.; Macoveanu, J. (2017). The catechol-O-methyltransferase (COMT) Val158Met genotype modulates working memory-related dorsolateral prefrontal response and performance in bipolar disorder. ***Bipolar Disorders***, 19(3), 214-224.
227. Montague, A.C; Eiroa-Orosa, F.J (2017). In it together: Exploring how belonging to a youth activist group enhances well-being. ***Journal of Community Psychology***, 1-21.

228. Montejo, Á.L.; Arango, C.; Bernardo, M.; Carrasco, J.L.; Crespo-Facorro, B.; Cruz, J.J.; Del Pino-Montes, J.; García-Escudero, M.A.; García-Rizo, C.; González-Pinto, A.; Hernández A.I.; Martín-Carrasco, M.; Mayoral-Cleries, F.; Mayoral-van Son, J.; Mories (2017). Multidisciplinary consensus on the therapeutic recommendations for iatrogenic hyperprolactinemia secondary to antipsychotics. ***Frontiers in Neuroendocrinology***, 45, 25-34.
229. Montesano, Adrian; Feixas, Guillem; Caspar, Franz; Winter, David (2017). Depression and Identity: Are Self-Constructions Negative or Conflictual?. ***Frontiers in Psychology***, 8.
230. Mora, E.; Portella, M.J.; Martínez-Alonso, M.; Teres, M.; Forcada, I.; Vieta, E.; Mur, M. (2017). The Impact of Obesity on Cognitive Functioning in Euthymic Bipolar Patients: A Cross-Sectional and Longitudinal Study. ***Journal of Clinical Psychiatry***, 78(8), 924-932.
231. Morató, X.; Luján, R.; López-Cano, M.; Gandía, J.; Stagljjar, I.; Watanabe, M.; Cunha, R.A.; Fernández-Dueñas, V.; Ciruela, F. (2017). The Parkinson's disease-associated GPR37 receptor interacts with striatal adenosine A2A receptor controlling its cell surface expression and function in vivo. ***Scientific Reports***, 7(1), 9452.
232. Moreno, D.J.; Ruiz, S.; Ríos, A.; Lopera, F.; Ostos, H.; Via, M.; Bedoya, G. (2017). Association of GWAS Top Genes With Late-Onset Alzheimer's Disease in Colombian Population. ***American Journal of Alzheimer's Disease and Other Dementias***, 32(1), 27-35.
233. Moreno, D.J.; Ruiz, S.; Ríos, A.; Lopera, F.; Ostos, H.; Via, M.; Bedoya, G. (2017). Genetic ancestry and susceptibility to late-onset Alzheimer's disease (LOAD) in the admixed Colombian population (2017). ***Alzheimer Disease & Associated Disorders***, 31(3), 225-231.
234. Moreno, E.; Chiarlone, A.; Medrano, M.; Puigdemívol, M.; Bibic, L.; Howell, L.A.; Resel, E.; Puente, N.; Casarejos, M.J.; Perucho, J.; Botta, J.; Suelves, N.; Ciruela, F.; Ginés, S.; Galve-Roperh, I.; Casadó, V.; Grandes, P.; Lutz, B.; Monory, K.; Canela (2017) Singular location and signaling profile of adenosine A_{2A}-cannabinoid CB₁ receptor heteromers in the dorsal striatum. ***Neuropsychopharmacology***, 43(5), 964-977.
235. Moreno-Alcázar, A.; Radua, J.; Landín-Romero, R.; Blanco, L.; Madre, M.; Reinares, M.; Comes, M.; Jiménez, E.; Crespo, J.M.; Vieta, E.; Pérez, V.; Novo, P.; Doñate, M.; Cortizo, R.; Valiente-Gómez, A.; Lupo, W.; McKenna, P.J.; Pomarol-Clotet, E.; Amann, B (2017). Eye movement desensitization and reprocessing therapy versus supportive therapy in affective relapse prevention in bipolar patients with a history of trauma: study protocol for a randomized controlled trial. ***Trials***, 18(160).
236. Morón-Nozaleda, M.G.; Díaz-Caneja, C.M.; Rodríguez-Toscano, E.; Arango, C.; Castro-Fornieles, J.; de la Serna, E.; Espliego, A.; Sanchez-Gistau, V.; Romero, S.; Baeza, I.; Sugranyes, G.; Moreno, C.; Moreno, D. (2017). A developmental approach to dimensional expression of psychopathology in child and adolescent offspring of parents with bipolar disorder. ***European Child & Adolescent Psychiatry***, 26(10), 1165-1175.
237. Moscoso-Castro, M.; López-Cano, M.; Gracia-Rubio, I.; Ciruela, F.; Valverde, O. (2017). Cognitive impairments associated with alterations in synaptic proteins induced by the genetic loss of adenosine A2A receptors in mice. ***Neuropharmacology***, 126, 48-57.

238. Mumbardó, C.; Guàrdia, J.; Adam, A.L.; Carbó, M.; Balcells, A.; Giné, C.; Shogren, K.A. (2017). Self-Determination, Intellectual Disability, and Context: A Meta-Analytic Study. *Intellectual And Developmental Disabilities*, 55(5), 303-314.
239. Münte, T.F.; Marco-Pallares, J.; Bolat, S.; Heldmann, M.; Lütjens, G.; Nager, W.; Müller-Vahl, K.; Krauss, J.K. (2017) The human globus pallidus internus is sensitive to rewards - Evidence from intracerebral recordings. *Brain Stimulation*, 10(3), 657-663.
240. Murru, A.; Torra, M.; Callari, A.; Pacchiarotti, I.; Romero, S.; Gonzalez de la Presa, B.; Varo, C.; Goikolea, J.M.; Pérez-Sola, V.; Vieta, E.; Colom, F. (2017). A study on the bioequivalence of lithium and valproate salivary and blood levels in the treatment of bipolar disorder. *European Neuropsychopharmacology*, 27(8), 744-750.
241. Nathan, P.J.; Lim, Y.Y.; Abbott, R.; Galluzzi, S.; Marizzoni, M.; Babiloni, C.; Albani, D.; Bartrés-Faz, D.; Didic, M.; Farotti, L.; Parnetti, L.; Salvadori, N.; Müller, B.W.; Forloni, G.; Girtler, N.; Hensch, T.; Jovicich, J.; Leeuwis, A.; Marra, C.; Mo (2017). Association between CSF biomarkers, hippocampal volume and cognitive function in patients with amnesic mild cognitive impairment (MCI). *Neurobiology of Aging*, 53, 1-10.
242. Navarro-Lashayas, A.M.; Eiroa-Orosa, J.F. (2017). Substance Use and Psychological Distress Is Related With Accommodation Status Among Homeless Immigrants. *American Journal of Orthopsychiatry*, 87(1), 23-33.
243. Nierula, Birgit; Martini, Matteo; Matamala-Gomez, Marta; Slater, Mel; Sanchez-Vives, Maria V. (2017). Seeing an Embodied Virtual Hand is Analgesic Contingent on Colocation. *Journal of Pain*, 18(6), 645-655.
244. Nunes-Neto, P.R.; Köhler, C.A.; Schuch, F.B.; Solmi, M.; Quevedo, J.; Maes, M.; Murru, A.; Vieta, E.; McIntyre, R.S.; McElroy, S.L.; Gearhardt, A.N.; Stubbs, B.; Carvalho, A.F. (2017). Food addiction: Prevalence, psychopathological correlates and associations with quality of life in a large sample. *Journal of Psychiatric Research*, 96, 145-152.
245. Núñez-Peña, M.I.; Tubau, E.; Suárez-Pellicioni, M. (2017). Post-error response inhibition in high math-anxious individuals: Evidence from a multi-digit addition task. *Acta Psychologica*, 177, 17-22.
246. Oliveira, P.A.; Dalton, J.A.R.; López-Cano, M.; Ricarte, A.; Morató, X.; Matheus, F.C.; Müller, C.E.; Cunha, A.S.; Müller, C.E.; Takahashi, R.N.; Fernández-Dueñas, V.; Giraldo, J.; Prediger, R.D.; Ciruela, F. (2017). Angiotensin II type 1/adenosine A 2A receptor oligomers: a novel target for tardive dyskinesia. *Scientific Reports*, 7, 1857.
247. Ottino-González, J.; Jurado, M.A.; García-García, I.; Segura, B.; Marqués-Iturria, I.; Sender-Palacios, M.J.; Tor, E.; Prats-Soteras, X.; Caldú, X.; Junqué, C.; Garolera, M. (2017). Allostatic Load Is Linked to Cortical Thickness Changes Depending on Body-Weight Status. *Frontiers in Human Neuroscience*, 11(639).
248. Oyarzun, Javiera P.; Moris, Joaquin; Luque, David; de Diego-Balaguer, Ruth; Fuentemilla, Lluís (2017). Targeted Memory Reactivation during Sleep Adaptively Promotes the Strengthening or Weakening of Overlapping Memories. *Journal of Neuroscience*, 37(32), 7748-7758.

249. Packard, P.; Rodríguez-Fornells, A.; Bunzeck, N.; Nicolás, B.; de Diego-Balaguer, R.; Fuentemilla, Ll. (2017). Semantic congruence accelerates the onset of the neural signals of successful memory encoding. *Journal of Neuroscience*, 37(2), 291-301.
250. Padilla N; Fransson P; Donaire A; Figueras F; Arranz A; Sanz-Cortés M; Tenorio V; Bargallo N; Junqué C; Lagercrantz H; Ådén U; Gratacós E. (2017). Intrinsic Functional Connectivity in Preterm Infants with Fetal Growth Restriction Evaluated at 12 Months Corrected Age. *Cerebral Cortex*, 27(10), 4750-4758.
251. Palomera-Ávalos, V.; Griñán-Ferré, C.; Izquierdo, V.; Camins, A.; Sanfeliu, C.; Pallàs, M. (2017). Metabolic Stress Induces Cognitive Disturbances and Inflammation in Aged Mice: Protective Role of Resveratrol. *Rejuvenation Research*.
252. Palomera-Avalos V.; Griñán-Ferré, C.; Puigoriol-Illamola, D.; Camins, A.; Sanfeliu, C.; Canudas, A.M.; Pallàs, M. (2017). Resveratrol Protects SAMP8 Brain Under Metabolic Stress: Focus on Mitochondrial Function and Wnt Pathway. *Mol Neurobiol*. 54(3):1661-167
253. Pardo, M.; García Díaz-Barriga, G; Straccia, M.; Sanders, P; Alberch, J.; Canals, JM. HD iPSC Consortium. (2017). Developmental alterations in Huntington's disease neural cells and pharmacological rescue in cells and mice. *Nature Neuroscience*, 20(5), 648-660.
254. Parellada, E.; Bioque, M.; Serrano, M.; Herrera, B.; García Dorado, M. (2017). An open-treatment six-week study of the clinical effectiveness of Paliperidone Palmitate in schizophrenia: data from acute units in Spain (SHADOW study). *International Journal of Psychiatry in Clinical Practice*, 1-9.
255. Parellada, M.; Llorente, C.; Calvo, R.; Gutierrez, S.; Lázaro, L.; Graell, M.; Guisasola, M.; Dorado, M.L.; Boada, L.; Romo, J.; Dulin, E.; Sanz, I.; Arango, C.; Moreno, C. (2017). Randomized trial of omega-3 for autism spectrum disorders: Effect on cell membrane composition and behavior. *European Neuropsychopharmacology*, 27(12), 1319-1330.
256. Parras, Gloria G.; Nieto-Diego, Javier; Carbajal, Guillermo V.; Valdes-Baizabal, Catalina; Escera, Carles; Malmierca, Manuel S. (2017). Neurons along the auditory pathway exhibit a hierarchical organization of prediction error. *Nature Communications*, 8.
257. Paz, C.; Montesano, A.; Winter, D.; Feixas, G (2017). Cognitive conflict resolution during psychotherapy: Its impact on depressive symptoms and psychological distress. *Psychotherapy Research*.
258. Pereira, L.P.; Köhler, C.A.; Sousa, R.T.; Solmi, M.; de Freitas, B.P.; Fornaro, M.; Machado-Vieira, R.; Miskowiak, K.W.; Vieta, E.; Veronese, N.; Stubbs, B.; and Carvalho, A.F. (2017). The relationship between genetic risk variants with brain structure and function in bipolar disorder: A systematic review of genetic-neuroimaging studies. *Neuroscience and Biobehavioral Reviews*, 79, 87-109.
259. Pereira-Morales, A.J.; Adan, A.; Camargo, A., Forero, D.A. (2017). Substance use and suicide risk in a sample of young Colombian adults: An exploration of psychosocial factors. *American Journal On Addictions*, 26(4), 388-397.

260. Pereiro, A.X.; Ramos, S.; Lojo, C.; Guàrdia, J.; Facal, D.; Juncos, O. (2017). Normative data for the Montreal Cognitive Assessment (MOCA) in a Spanish sample of community-dweller adults. ***European Geriatric Medicine***, 8(3), 240-244.
261. Pérez, V.; Salavert, A.; Espadaler, J.; Tuson, M.; Saiz-Ruiz, J.; Sáez-Navarro, C.; Bobes, J.; Baca-García, E.; Vieta, E.; Olivares, J.M.; Rodriguez-Jimenez, R.; Villagrán, J.M.; Gascón, J.; Cañete-Crespillo, J.; Solé, M.; Saiz, P.A.; Ibáñez, Á.; de Diego (2017). Efficacy of prospective pharmacogenetic testing in the treatment of major depressive disorder: results of a randomized, double-blind clinical trial. ***BMC Psychiatry***, 17(250).
262. Pérez-González, A.; Guilera, G.; Pereda, N.; Jarne, A. (2017). Protective factors promoting resilience in the relation between child sexual victimization and internalizing and externalizing symptoms. ***Child Abuse & Neglect***, 72, 393-403.
263. Perez-Laso C; Cerdan S; Junque C; Gómez Á; Ortega E; Mora M; Avendaño C; Gómez-Gil E; Del Cerro MCR; Guillamon A (2017). Effects of Adult Female Rat Androgenization on Brain Morphology and Metabolomic Profile. ***Cerebral Cortex***.
264. Petri, E.; Bacci, O.; Barbuti, M.; Pacchiarotti, I.; Azorin, J.M.; Angst, J.; Bowden, C.L.; Mosolov, S.; Vieta, E.; Young, A.H.; Perugi, G. (2017). Obesity in patients with major depression is related to bipolarity and mixed features: evidence from the BRIDGE-II-Mix study. ***Bipolar Disorders***, 19(6), 458-464.
265. Piirainen, H.; Taura, J.; Kursula, P.; Ciruela, F.; Jaakola, V.P. (2017). Calcium modulates calmodulin/actinin 1 interaction with and agonist-dependent internalization of the adenosine A2A receptor. ***Biochimica et Biophysica Acta-Molecular Cell Research***, 1864 (4), 674-686.
266. Pinto-Cortez, C.; Pereda, N.; Álvarez-Lister, S. (2017). Child victimization and poly-victimization in a community sample of adolescents in northern Chile. ***Journal Of Aggression Maltreatment & Trauma***, 1-20.
267. Plá, V.; Barranco, N.; Pozas, E.; Aguado, F. (2017). Amyloid-β Impairs Vesicular Secretion in Neuronal and Astrocyte Peptidergic Transmission. ***Frontiers In Molecular Neuroscience***.
268. Planelles-Fernández, I.; Gallardo-Pujol, D.; Labad, A.; Godall, D.; Cristia, N.; Gutiérrez-Zotes, A.; Matson, J.L. (2017). Spanish Adaptation of the Autism Spectrum Disorders - Diagnosis for Adults (ASD-DA) in Adults with Severe and Profound Intellectual Disability. ***Journal of Developmental and Physical Disabilities***.
269. Pla-Sanjuanelo, J.; Ferrer-García, M.; Vilalta-Abella, F.; Riva, G.; Dakanalis, A.; Ribas-Sabaté, J.; Andreu-Gracia, A.; Fernandez-Aranda, F.; Sanchez-Diaz, I.; Escandón-Nagel, N.; Gomez-Tricio, O.; Tena, V.; Gutierrez-Maldonado, G. (2017). Testing virtual reality-based cue-exposure software: Which cue-elicited responses best discriminate between patients with eating disorders and healthy controls?. ***Eating And Weight Disorders-Studies On Anorexia Bulimia And Obesity***.
270. Portellano-Ortiz, C.; Garre-Olmo, J.; Calvó-Perxas, L.; Conde-Sala, J.L. (2017). Factor structure of depressive symptoms using the EURO-D scale in the over-50s in Europe. Findings from the SHARE project. ***Aging & Mental Health***.

271. Portellano-Ortiz, C.; Garre-Olmo, J.; Calvó-Perxas, L.; Conde-Sala, JL. (2017) Depression and variables associated with quality of life in people over 65 in Spain and Europe. Data from SHARE 2013. **The European Journal of Psychiatry**
272. Pueyo, R. (2017). Towards a comprehensive profile of dyskinetic cerebral palsy. **Developmental Medicine & Child Neurology**, 59(6), 570.
273. Puig, O.; Baeza, I.; De la Serna, E.; Cabrera, B.; Mezquida, G.; Bioque, M.; Lobo, A.; González-Pinto, A.; Parellada, M.; Corripio, I.; Vieta, E.; Bobes, J.; Usall, J.; Contreras, F.; Cuesta M.J.; Bernardo, M.; Castro-Fornieles, J. (2017). Persistent negative symptoms in first-episode psychoses: early cognitive and social functioning correlates and differences between the early-versus the adult-onset. **Journal of Clinical Psychiatry**, 78(9), 1414-1422.
274. Pulido-Salgado, M.; Vidal-Taboada, J.M.; Garcia Diaz-Barriga, G.; Serratos, J.; Valente, T.; Castillo, P.; Matalonga, J.; Straccia, M.; Canals J.M.; Valledor A.F.; Solà C.; Saura J (2017). Myeloid C/EBPβ deficiency reshapes microglial gene expression and is protective in experimental autoimmune encephalomyelitis. **Journal of Neuroinflammation**, 14(54).
275. Reig-Viader, R.; Sindreu, C.; Bayés, A. (2017). Synaptic proteomics as a means to identify the molecular basis of mental illness: are we getting there?. **Progress in Neuro-Psychopharmacology & Biological Psychiatry**.
276. Respondek, G.; Kurz, C.; Arzberger, T.; Compta, Y.; et al. (2017). Movement Disorder Society-Endorsed PSP Study Group. Which ante mortem clinical features predict progressive supranuclear palsy pathology? **Mov Disord.**, 32(7), 995-1005.
277. Rial, D.; Morató, X.; Real, J.I.; Gonçalves, F.Q.; Stagljar, I.; Fernández-Dueñas, V.; Cunha, R.A.; Ciruela, F. (2017). Cocaine-mediated synaptic depression in corticostriatal synapses is Parkinson's disease-associated GPR37 receptor-dependent. **Neuroscience Letters**, 638, 162-166.
278. Ripolles, P.; Biel, D.; Penalzoa, C.; Kaufmann, J.; Marco-Pallares, J.; Noesselt, T.; Rodriguez-Fornells, A. (2017). Strength of Temporal White Matter Pathways Predicts Semantic Learning. **Journal of Neuroscience**, 37(46), 11101-11113.
279. Rivas-Cobas PC, Ramírez-Duque N, Gómez Hernández M, García J, Agustí A, Vidal X, Formiga F, López-Soto A, Torres OH, San-José A; en representación de los investigadores del Proyecto Estudio sobre el Uso Inadecuado de Medicamentos en Pacientes de Edad Avanzada (2017). Características del uso inadecuado de medicamentos en pacientes pluripatológicos de edad avanzada. **Gaceta Sanitaria**, 31(4), 327-331.
280. Rodríguez, N.; Morer, A.; González-Navarro, E.A.; Gassó, P.; Boloc, D.; Serra-Pagès, C.; Lafuente, A.; Lázaro, L.; Mas, S. (2017). Human-leukocyte antigen class II genes in early-onset obsessive-compulsive disorder. **World Journal of Biological Psychiatry**, 31, 1-7.
281. Rodríguez, N.; Morer, A.; González-Navarro, E.A.; Serra-Pagès, C.; Boloc, D.; Torres, T.; García-Cerro, S.; Mas, S.; Gassó, P.; Lázaro, L.; (2017). Inflammatory dysregulation of monocytes in pediatric patients with obsessive-compulsive disorder. **Journal of Neuroinflammation**, 14(1), 261.

282. Rodríguez-Cano, E.; Alonso-Lana, S.; Sarró, S.; Fernández-Corcuera, P.; Goikolea, J.M.; Vieta, E.; Maristany, T.; Salvador, R.; McKenna, P.J.; Pomarol-Clotet, E. (2017). Differential failure to deactivate the default mode network in unipolar and bipolar depression. *Bipolar Disorders*, 19, 386-395.
283. Rodríguez-Fanjul J; Durán Fernández Feijóo C; Lopez-Abad M; Goretti M; Balada Caballé R; Alcántara S; Camprubí Camprubí M. (2017). Neuroprotection with Hypothermia and Allopurinol in an animal model of hypoxic-ischemic injury: Is it a gender question?. *PLoS One*, 12(9), 1-16.
284. Rodríguez-Ferreiro, N.; Barberia, I. (2017) The moral foundations of illusory correlation. *PLoS One*, 12(10), e018575.
285. Rodriguez-Urrutia, A.; Eiroa-Orosa, F.J.; Accarino, A.; Malagelada, C.; Azpiroz, F. (2017). The role of incongruence between the perceived functioning by patients and clinicians in the detection of psychological distress among functional and motor digestive disorders. *Journal of Psychosomatic Research*, 99, 112-119.
286. Romero-Moya, Damia; Santos-Ocana, Carlos; Castano, Julio; Garrabou, Gloria; Rodriguez-Gomez, Jose A.; Ruiz-Bonilla, Vanesa; Bueno, Clara; Gonzalez-Rodriguez, Patricia; Giorgetti, Alessandra; Perdiguero, Eusebio; Prieto, Cristina; Moren-Nunez, Constanza; F (2017). Genetic Rescue of Mitochondrial and Skeletal Muscle Impairment in an Induced Pluripotent Stem Cells Model of Coenzyme Q(10) Deficiency. *Stem Cells* 35(7), 1687-1703.
287. Rosa, M.; Puig, O.; Lázaro, L.; Vallés, V.; Sánchez-Gistau, V.; Calvo, R. (2017). Broad Cognitive Profile in Children and adolescents with HF-ASD and in Their Siblings: Widespread Underperformance and its Clinical and Adaptive Correlates. *Journal of Autism and Developmental Disorders*, 47(7), 2153-2162.
288. Saavedra, A.; Fernandez-Garcia, S.; Cases, S.; Puigdellivol, M.; Alcala-Vida, R.; Martin-Flores, N.; Alberch, J.; Gines, S.; Malagelada, C.; Perez-Navarro, E. (2017). Chelerythrine promotes Ca²⁺-dependent calpain activation in neuronal cells in a PKC-independent manner. *Biochimica et Biophysica Acta-General Subjects*, 1861(4), 2153-2162.
289. Salagre, E.; Solé, B.; Tomioka, Y.; Fernandes, B.S.; Hidalgo-Mazzei, D.; Garriga, M.; Jimenez, E.; Sanchez-Moreno, J.; Vieta, E.; Grande, I. (2017). Treatment of neurocognitive symptoms in unipolar depression: A systematic review and future perspectives. *Journal of Affective Disorders*, 221, 205-221.
290. Salagre, E.; Vieta, E.; Grande, I. (2017). The visceral brain: Bipolar disorder and microbiota. *Revista de Psiquiatria y Salud Mental*, 10(2), 67-69.
291. Salagre, E.; Vizuete, A.F.; Leite, M., Brownstein, D.J., McGuinness, A.; Jacka, F.; Dodd, S.; Stubbs, B.; Köhler, C.A.; Vieta, E., Carvalho, A.F.; Berk, M.; Fernandes, B.S. (2017). Homocysteine as a peripheral biomarker in bipolar disorder: A meta-analysis. *European Psychiatry*, 43, 81-91.
292. Saldaña, O.; Rodríguez-Carballeira, A.; Almendros, C.; Escartín, J. (2017). Development and validation of the Psychological Abuse Experienced in Groups Scale. *European Journal of Psychology Applied to Legal Context*, 9(2), 57-64.

293. Salvador Sanchez, J.; Delia David, M.; Torrent Seto, A.; Martinez Alonso, M.; Portella Moll, M. J.; Pifarre Paredero, J.; Vieta Pascual, E.; Mur Lain, M.(2017). Electroconvulsive therapy clinical database: Influence of age and gender on the electrical charge. *Revista de Psiquiatria y Salud Mental*, 10(3), 143-148.
294. Salvador, R.; Radua, J.; Canales-Rodríguez, E.J.; Solanes, A.; Sarró, S.; Goikolea, J.M.; Valiente, A.; Monté, G.C.; Natividad, M.D.C.; Guerrero-Pedraza, A.; Moro, N.; Fernández-Corcuera, P.; Amann, B.L.; Maristany, T.; Vieta, E.; McKenna, P.J.; Pomarol-C (2017). Evaluation of machine learning algorithms and structural features for optimal MRI-based diagnostic prediction in psychosis. *PLoS One*, 12(4), e0175683.
295. Samalin, L.; Boyer, L.; Murru, A.; Pacchiarotti, I.; Reinares, M.; Bonnín, C.M.; Torrent, C.; Verdolini, N.; Pancheri, C.; de Chazeron, I.; Boucekine, M.; Geoffroy, P.A.; Bellivier, F.; Llorca, P.M.; Vieta, E. (2017). Residual depressive symptoms, sleep disturbance and perceived cognitive impairment as determinants of functioning in patients with bipolar disorder. *Journal of Affective Disorders*, 210, 280-286.
296. San, L.; Estrada, G.; Oudovenko, N.; Vieta, E. (2017). Rationale and design of the PLACID study: a randomised trial comparing the efficacy and safety of inhaled loxapine versus IM aripiprazole in acutely agitated patients with schizophrenia or bipolar disorder. *BMC Psychiatry*, 17(126).
297. Sanchez-Castaneda, Cristina; de Pasquale, Francesco; Caravasso, Chiara Falletta; Marano, Massimo; Maffi, Sabrina; Migliore, Simone; Sabatini, Umberto; Squitieri, Ferdinando (2017). Resting-state connectivity and modulated somatomotor and default-mode networks in Huntington disease. *CNS Neuroscience & Therapeutics*, 23(6), 488-497.
298. Sánchez-López, E.; Ettcheto, M.; Egea, M.A.; Espina, M.; Calpena, A.C.; Folch, J.; Camins, A.; García, M.L. (2017). New Potential Strategies for Alzheimer's Disease Prevention: Pegylated biodegradable Dexibuprofen nanospheres administration to APPswe/PS1dE9. *Nanomedicine: Nanotechnology, Biology and Medicine*.
299. Sanchez-Moreno, J.; Bonnín, C.; González-Pinto, A.; Amann, B.L.; Solé, B.; Balanzá-Martínez, V.; Arango, C.; Jimenez, E.; Tabarés-Seisdedos, R.; Garcia-Portilla, M.P.; Ibáñez, A.; Crespo, J.M.; Ayuso-Mateos, J.L.; Vieta, E.; Martínez-Aran, A.; Torrent, C. (2017). Do patients with bipolar disorder and subsyndromal symptoms benefit from functional remediation? A 12-month follow-up study. *European Neuropsychopharmacology*, 27, 350-359.
300. Sanchez-Moreno, J.; Martínez-Aran, A.; Vieta, E. (2017). Treatment of functional impairment in patients with bipolar disorder. *Current Psychiatry Reports*, 19(1), 1-7.
301. Sánchez-Torres, A.M.; Moreno-Izco, L.; Lorente-Omeñaca, R.; Cabrera, B.; Lobo, A.; González-Pinto, A.M.; Merchán-Naranjo, J.; Corripio, I.; Vieta, E.; de la Serna, E.; Butjosa, A.; Contreras, F.; Sarró, S.; Mezquida, G.; Ribeiro, M.; Bernardo, M.; Cuesta (2017). Individual trajectories of cognitive performance in first episode psychosis: a 2-year follow-up study. *European Archives of Psychiatry and Clinical Neuroscience*.

302. Sans-Dubanc, A.; Mas-Herrero, E.; Marco-Pallarés, J.; Fuentemilla, Ll. (2017). Distinct neurophysiological mechanisms support the online formation of individual and across episode memory representations. *Cerebral Cortex*, 27(9), 4314-4325.
303. Santarelli, S.; Zimmermann, C.A.; Kalideris, G.; Lesuis, S.L.; Arloth, J.; Uribe, A.; Dournes, C.; Balsevich, G.; Hartmann, J.; Masana, M.; Binder, E.; Spengler, D.; Schmidt M. (2017). An adverse early life environment can enhance stress resilience in adulthood. *Psychoneuroendocrinology*, 78, 213-221.
304. Santoyo, C.; Jonsson, G.K.; Anguera, M.T.; López-Lopez, J.A. (2017). Observational Analysis of the Organization of On-Task Behavior in the Classroom Using Complementary Data Analyses. *Anales de Psicología*, 33(3), 497-514.
305. Sanz-Fuentenebro, J.; Vera, I.; Verdura, E.; Urretavizcaya, M.; Martínez-Amorós, E.; Soria, V.; Bernardo, M. (2017). Pattern of electroconvulsive therapy use in Spain: Proposals for an optimal practice and equitable access. *Revista de Psiquiatría y Salud Mental*, 10(2), 87-95.
306. Sanz-Torrent, M.; Andreu, L.; Rodríguez-Ferreiro, J.; Coll-Florit, M.; Trueswell, J. (2017). Auditory word recognition of verbs: Effects of verb argument structure on referent identification. *PLoS One*, 12(12), e0188728.
307. Sbragaglia, V.; Leiva, D.; Arias, A.; García, J.A.; Aguzzi, J.; Breithaupt, T. (2017). Fighting over burrows: the emergence of dominance hierarchies in the Norway lobster (*Nephrops norvegicus*). *Journal of Experimental Biology*.
308. Serrat, R.; Petriwskyj, A.; Villar, F.; Warburton, J. (2017). Barriers to the retention of older participants in political organisations: Evidence from Spain. *Ageing & Society*, 28(1), 265-287.
309. Serrat, R.; Villar, F.; Giuliani, F.; Zacarés, J.J. (2017). Older people's participation in political organizations: The role of generativity and its impact on well-being. *Educational Gerontology*, 43(3), 128-138.
310. Serrat, R.; Warburton, J.; Petriwskyj, A.; Villar, F. (2017). Political participation and late-life learning: A cross-cultural study of older people's participation in seniors' interest organizations in Australia and Spain. *Voluntas*, 28(1), 265-287.
311. Sierpowska, J.; Gabarrós, A.; Fernández-Coello, A.; Camins, A.; Castañer, S.; Juncadella, M.; Morís, J.; Rodríguez-Fornells, A. (2017). Words are not enough. Non-word repetition as an indicator of arcuate fasciculus integrity during brain tumor resection. *Journal of Neurosurgery*.
312. Sirisi, S.; Elorza-Vidal, X.; Arnedo, T.; Armand-Ugón, M.; Callejo, G.; Capdevila-Nortes, X.; López-Hernández, T.; Schulte, U.; Barrallo-Gimeno, A.; Nunes, V.; Gasull, X.; Estévez, R. (2017). Depolarization causes the formation of a ternary complex between GlialCAM, MLC1 and CIC-2 in astrocytes: implications in megalencephalic leukoencephalopathy. *Human Molecular Genetics*, 26(13), 2436-2450.
313. Skrobot, O.A.; Black, S.; Chen, C.; DeCarli, C.; Erkinjuntti, T.; Ford, G.A.; Kalaria, R.N.; O'Brien, J.; Pantoni, L.; Pasquier, F.; Roman, G.C.; Wallin, A.; Sachdev, P.; Skoog, I.; VICCCS group, Ben-Shiomo, Y.; Passmore, A.P.; Love, S.; Kehore, P.G.R.(2017). Progress toward standardized diagnosis of vascular

- cognitive impairment: Guidelines from the Vascular Impairment of Cognition Classification Consensus Study. *Alzheimer's & Dementia*, pii: S1552-5260(17), 33761-33765.
314. Selinger, L., Zarnowiec, K., Via, M., Clemente, I.C. & Escera, C. (2017). Involvement of the Serotonin Transporter Gene in Accurate Subcortical Speech Encoding. *Journal of Neuroscience*, 36(42), 10782-10790.
315. Slyepchenko, A.; Maes, M.; Jacka, F.N.; Köhler, C.A.; Barichello, T.; McIntyre, R.S.; Berk, M.; Grande, I.; Foster, J.A.; Vieta, E.; Carvalho, A.F. (2017). Gut Microbiota, Bacterial Translocation, and Interactions with Diet: Pathophysiological Links between Major Depressive Disorder and Non-Communicable Medical Comorbidities. *Psychotherapy and Psychosomatics*, 86(1), 31-46.
316. Sokolina, K.; Kittanakom, S.; Snider, J.; Kotlyar, M.; Maurice, P.; Gandía, J.; Benleulmi-Chaachoua, A.; Tadagaki, K.; Oishi, Atsuro; Wong, V.; Maly, R.H.; Deineko, V.; Aoki, H.; Amin, S.; Yao, Z.; Morató, X.; Otasek, D.; Kobayashi, H.; Menendez, J.; Aue (2017). Systematic protein-protein interaction mapping for clinically relevant human GPCRs. *Molecular Systems Biology*, 13(3), 918.
317. Sole, B.; Jimenez, E.; Torrent, C.; Reinares, M.; Bonnin C.M.; Torres I.; Varo, C.; Grande, I.; Valls, E.; Salagre, E.; Sanchez-Moreno, J.; Martinez-Aran, A.; Carvalho, A.F.; Vieta, E. (2017). Cognitive impairment in bipolar disorder: treatment and prevention strategies. *International Journal of Neuropsychopharmacology*, 20(8), 670-680.
318. Solé, E.; Garriga, M.; Valentí, M.; Vieta, E. (2017). Mixed features in bipolar disorder. *Cns Spectrums*, 22, 134-140.
319. Solé-Padullés, C.; Castro-Fornieles, J.; de la Serna, E.; Sánchez-Gistau, V.; Romero, S.; Puig, O.; Calvo, A.; Bargalló, N.; Baeza, I.; Sugranyes, G. (2017). Intrinsic functional connectivity of fronto-temporal networks in adolescents with early psychosis. *European Child & Adolescent Psychiatry*, 26(6), 669-679.
320. Soler, H; Dorca-Arévalo, J; González, M; Rubio, SE; Ávila, J; Soriano, E; Pascual, M. (2017). The GABAergic septohippocampal connection is impaired in a mouse model of tauopathy. *Neurobiology of Aging*, 49, 40-51.
321. Solmi, M.; Murru, A.; Pacchiarotti, I.; Undurraga, J.; Veronese, N.; Fornaro, M.; Stubbs, B.; Monaco, F.; Vieta, E.; Seeman, M.V.; Correll, C.U.; Carvalho, A.F. (2017). Safety, tolerability, and risks associated with first- and second-generation antipsychotics: a state-of-the-art clinical review. *Therapeutics And Clinical Risk Management*, 13, 757-777.
322. Sols, I.; DuBrow, S.; Davachi, L.; Fuentemilla, L.(2017). Event Boundaries Trigger Rapid Memory Reinstatement of the Prior Events to Promote Their Representation in Long-Term Memory. *Current Biology*, 27(22), 3499.
323. Soto, D.; Olivella, M.; Grau, C.; Armstrong, J.; Alcon, C.; Gasull, X.; Gómez de Salazar, M.; Gratacòs-Batlle, E.; Ramos-Vicente, D.; Fernández-Dueñas, V.; Ciruela, F.; Bayés, À.; Sindreu, C.; López-Sala, A.; García-Cazorla, À.; Altafaj, X. (2017). Rett-like Severe Encephalopathy Caused by a De Novo GRIN2B Mutation Is Attenuated by D-serine Dietary Supplement. *Biological Psychiatry*, *In press*.

324. Sousa MFB; Santos RL; Simões P; Conde-Sala JL; Dourado MCN (2017). Discrepancies between Alzheimer's disease Patients' and Caregivers' Ratings about Patients' Quality of Life: A 1-year Observation Study in Brazil. ***Alzheimer Disease & Associated Disorders***.
325. Stahl, S.M.; Morrissette, D.A.; Faedda, G.; Fava, M.; Goldberg, J.F.; Keck, P.E.; Lee, Y.; Malhi, G.; Marangoni, C.; McElroy, S.L.; Ostacher, M.; Rosenblat, J.D.; Solé, E.; Suppes, T.; Takeshima, M.; Thase, M.E.; Vieta, E.; Young, A.; Zimmerman, M.; McInt (2017). Guidelines for the recognition and management of mixed depression. ***Cns Spectrums***, 22(2), 203-219.
326. Suelves, N.; Kirkham-McCarthy, L.; Lahue, R.S.; Ginés, S. (2017). A selective inhibitor of histone deacetylase 3 prevents cognitive deficits and suppresses striatal CAG repeat expansions in Huntington's disease mice. ***Scientific Reports***, 7, 6082.
327. Sugranyes, G.; de la Serna, E.; Borrás, R.; Sanchez-Gistau, V.; Pariente, J.C.; Romero, S.; Baeza, I.; Díaz-Caneja, C.M.; Rodríguez-Toscano, E.; Moreno, C.; Bernardo, M.; Moreno, D.; Vieta, E.; Castro-Fornieles, J. (2017). Clinical, cognitive, and neuroimaging evidence of a neurodevelopmental continuum in offspring of probands with schizophrenia and bipolar disorder. ***Schizophrenia Bulletin***, 13(6), 1208-1219.
328. Sugranyes, G.; Solé-Padullés, C.; de la Serna, E.; Borrás, R.; Romero, S.; Sanchez-Gistau, V.; Garcia-Rizo, C.; Goikolea, J.M.; Bargallo, N.; Moreno, D.; Baeza, I.; Castro-Fornieles, J.; (2017). Cortical Morphology Characteristics of Young Offspring of Patients with Schizophrenia or Bipolar Disorder. ***Journal of the American Academy of Child and Adolescent Psychiatry***, 56(1), 79-88.
329. Tajadura-Jimenez, A.; Banakou, D.; Bianchi-Berthouze, N.; Slater, M. (2017). Embodiment in a Child-Like Talking Virtual Body Influences Object Size Perception, Self-Identification, and Subsequent Real Speaking. ***Scientific Reports***, 7.
330. Tarragó, R.; Iglesias, X.; Lapresa, D.; Anguera, M.T.; Ruiz-Sanchís, L.; Arana, J. (2017). Analysis of diachronic relationships in successful and unsuccessful behaviors by world fencing champions using three complementary techniques. ***Anales de Psicología***, 33(3), 471-485.
331. Teresa Anguera, M.; Camerino, Oleguer; Castaner, Marta; Sanchez-Algarra, Pedro; Onwuegbuzie, Anthony J. (2017). The Specificity of Observational Studies in Physical Activity and Sports Sciences: Moving Forward in Mixed Methods Research and Proposals for Achieving Quantitative and Qualitative Symmetry. ***Frontiers in Psychology***, 8.
332. Terni B.; Pacciolla P.; Masanas H.; Gorostiza P.; Llobet A. (2017). Tight temporal coupling between synaptic rewiring of olfactory glomeruli and the emergence of odor-guided behavior in *Xenopus* tadpoles. ***Journal of Comparative Neurology***, 525(17), 3769-3783.
333. Terni, B; López-Murcia, FJ; Llobet, A (2017). Role of neuron-glia interactions in developmental synapse elimination. ***Brain Research Bulletin***, 129, 74-81.
334. Tor, J.; Dolz, M.; Sintés, A.; Muñoz, D.; Pardo, M.; de la Serna, E.; Puig, O.; Sugranyes, G.; Baeza, I. (2017). Clinical high risk for psychosis in children and adolescents: a systematic review. ***European Child & Adolescent Psychiatry***.

335. Torres, I.; Garriga, M.; Sole, B.; Bonnín, C.M.; Corrales, C.; Jiménez, E.; Sole, E.; Ramos-Quiroga, J.A.; Vieta, E.; Goikolea, J.M.; Martínez-Arana, A. (2017). Functional impairment in adult bipolar disorder with ADHD. *Journal of Affective Disorders*, 227, 117-125.
336. Torres, I.; Sole, B.; Corrales, M.; Jiménez, E.; Rotger, S.; Serra-Pla, J.F.; Forcada, I.; Richarte, V.; Mora, E.; Jacas, C.; Gómez, N.; Mur, M.; Colom, F.; Vieta, E.; Casas, M.; Martínez-Aran, A.; Goikolea, J.M.; Ramos-Quiroga, J.A. (2017). Are patients with bipolar disorder and comorbid attention-deficit hyperactivity disorder more neurocognitively impaired?. *Bipolar Disorders*, 19(8), 637-650.
337. Tort-Merino, A.; Valech, N.; Peñaloza, C.; Grönholm-Nyman, P.; León, M.; Olives, J.; Estanga, A.; Ecay, M.; Fortea, J.; Martínez-Lage, P.; Molinuevo, J.L.; Laine, M.; Rodríguez-Fornells, A.; Rami, L. (2017). Early detection of learning difficulties when confronted with novel information in preclinical Alzheimer's disease stage 1. *Journal of Alzheimer's Disease*, 58(3), 855-870.
338. Toyoshima, K.; Fujii, Y.; Mitsui, N.; Kako, Y.; Asakura, S.; Martínez-Aran, A.; Vieta, E.; Kusumi, I. (2017) Validity and reliability of the cognitive complaints in bipolar disorder rating assessment (COBRA) in Japanese patients with bipolar disorder. *Psychiatry Research*, 254, 85-89.
339. Tondo, L., Vázquez, G.H., Baethge, C., Baronessa, C., Bolzani, L., Koukopoulos, A., Mazzarini, L., Murru, A., Pacchiarotti, I., Pinna, M., Salvatore, P., Sani, G., Selle, V., Spalletta, G., Girardi, P., Tohen, M., Vieta, E. & Baldessarini, R.J. (2017). Comparison of psychotic bipolar disorder, schizoaffective disorder, and schizophrenia: an international, multisite study. *PeerJ*.
340. Urrea L; Segura-Feliu M; Masuda-Suzukake M; Pedraz L; García Aznar JM; Vila M; Samitier J; Torrents E; Ferrer I; Gavín R; Hagesawa M; Del Rio JA (2017). Role of cellular prion protein in -synuclein fibril transport in neurons. *Molecular Neurobiology*.
341. Urrea, L.; Ferrer, I.; Gavín, R.; Del Río, J. A. (2017). The cellular prion protein (PrPC) as neuronal receptor for alpha-synuclein. *Prion*, 11(4), 226-233.
342. Urrea, L.; Segura-Feliu, M.; Masuda-Suzukake, M.; Hervera, A.; Pedraz, L.; García-Aznar, J. M.; Vila, M.; Samitier, J.; Torrents, E.; Ferrer, I.; Gavín, R.; Hagesawa, M.; del Río, J. A. (2017). Involvement of cellular prion protein in α-synuclein transport in neurons. *Molecular Neurobiology*.
343. Urrutia, A.; Moisset de Espanés, G.; Ferrari, C.; Borgna, G.; Alderete, A.; Villar, F. (2017). Desarrollo y validación de la Escala de Autoevaluación de la Sabiduría (EAS) en muestras de personas mayores. *Universitas Psychologica*, 15(2), 205-216.
344. Valente, T.; Serratosa, J.; Perpiñà, U.; Saura, J.; Solà, C. (2017). Alterations in CD200-CD200R1 System during EAE Already Manifest at Presymptomatic Stages. *Frontiers in Cellular Neuroscience*, 11(129).
345. Valera, S.; Guàrdia, J. (2017). Vulnerabilidad y percepción de inseguridad en el espacio público de la ciudad de Barcelona. *Psychology*, 8 (2), 177-204.
346. Valldeoriola, F.; Santacruz, P.; Ríos, J.; Compta, Y.; Rumià, J.; Muñoz, J.E.; Martí, M.J.; Tolosa, E.; (2017) L-Dopa/carbidopa intestinal gel and subthalamic nucleus stimulation: Effects on cognition and behavior. *Brain Behav.* 20; 7(11):e00848.

347. Vaqué-Alcázar, L.; Sala-Llonch, R.; Valls-Pedret, C.; Vidal-Piñeiro, D.; Fernández-Cabello, S.; Bargalló, N.; Ros, E.; Bartrés-Faz, D. (2017). Differential age-related gray and white matter impact mediates educational influence on elders' cognition. *Brain Imaging and Behavior*, 11(2), 318-332.
348. Vaquero, L.; Càmara, E.; Sampedro, F.; Pérez de los Lobos, J.; Batlle, F.; Fábregas, J.M.; Sales, J.A.; Cervantes, M.; Ferrer, X.; Lazcano, G.; Rodríguez-Fornells, A.; Riba, J. (2017). Cocaine addiction is associated with increased striatal connectivity and sensitivity to monetary incentives, and decreased connectivity outside the reward system. *Addiction Biology*, 22(3), 844-856.
349. Varo, C.; Jiménez, E.; Solé, B.; Bonnín, C.M.; Torrent, C.; Valls, E.; Morilla, I.; Lahera, G.; Martínez-Arán, A.; Vieta, E.; Reinares, M. (2017). Social cognition in bipolar disorder: Focus on emotional intelligence. *Journal of Affective Disorders*, 217, 210-217.
350. Vega, D.; Torrubia, R.; Soto, A.; Ribas, J.; Soler, J.; Pascual, J.C.; Rodríguez-Fornells, A.; Marco-Pallarés, J. (2017). Exploring the relationship between non suicidal self-injury and borderline personality traits in young adults. *Psychiatry Research*, 256, 406-411.
351. Venet, T.; Carreres-Pons, M.; Chalansonnet, M.; Thomas, A.; Merlen, L.; Nunge, H.; Bonfanti, E.; Cosnier, F.; Llorens, J.; Campo, P. (2017). Continuous exposure to low-frequency noise and carbon disulfide: combined effects on hearing. *Neurotoxicology*, 62, 151-161.
352. Verdolini, N.; Murru, A.; Attademo, L.; Garinella, R.; Pacchiarotti, I.; Bonnín, C.M.; Samalin, L.; Pauselli, L.; Piselli, M.; Tamantini, A.; Quartesan, R.; Carvalho, A.F.; Vieta, E.; Tortorella, A. (2017). The aggressor at the mirror: Psychiatric correlates of deliberate self-harm in male prison inmate. *European Psychiatry*, 44, 153-160.
353. Via, M. (2017) Big data in genomics: ethical challenges and risks. *Revista de Bioética y Derecho*, 41, 33-45.
354. Vieta, E.; Garriga, M.; Cardete, L.; Bernardo, M.; Lombraña, M.; Blanch, J.; Catalán, R.; Vázquez, M.; Soler, V.; Ortuño, N.; Martínez-Arán, A. (2017). Protocol for the management of psychiatric patients with psychomotor agitation. *BMC Psychiatry*, 17(328).
355. Vieta, E.; Loft, H.; Florea, I. (2017) Effectiveness of long-term vortioxetine treatment of patients with major depressive disorder. *European Neuropsychopharmacology*, 27, 877-884.
356. Vieta, E.; Montes, J.M. (2017). A Review of Asenapine in the Treatment of Bipolar Disorder. *Clinical Drug Investigation*, 38(2), 87-99.
357. Vilà-Balló, A.; François, C.; Miró, J.; Falip, M.; Rodríguez-Fornells, A. (2017). Auditory target and novelty processing in patients with unilateral hippocampal sclerosis: A current-source density study. *Scientific Reports*, 7, 1612.
358. Vilà-Balló, A.; Mas-Herrero, E.; Ripollés, P.; Simó, M.; Miró, J.; López-Barroso, D.; Cucurell, D.; Juncadella, M.; Marco-Pallarés, J.; Falip, M.; Rodríguez-Fornells, A. (2017). Unravelling the role of the hippocampus in reversal learning. *Journal of Neuroscience*, 37(28), 6686-6697.

359. Villar, F.; Celdrán, M.; Vila-Miravent, J.; Serrat, R. (2017). Involving institutionalised people with dementia in their care-planning meetings: Lessons learnt by the staff. *Scandinavian Journal of Caring Sciences*.
360. Villar, F.; Giuliani, M.F.; Serrat, R.; Curcio, C-L.; Lopes, A.; Martínez-Maldonado, M.L.; Oliveira, R. (2017) Gerontological training programs offered by Latin American universities: number, characteristics and disciplinary contents. *Educational Gerontology*, 47(5), 238-247.
361. Villar, F.; Serrat, R. (2017). Changing the culture of long-term care through narrative care: Individual, interpersonal, and institutional dimensions. *Journal of Aging Studies*, 40, 44-48.
362. Viñas-Diez, V.; Turró-Garriga, O.; Portellano-Ortiz, C.; Gascón-Bayarri, J.; Reñé-Ramírez, R.; Garre-Olmo, J.; Conde-Sala, JL. (2017). Kinship and cohabitation in relation to caregiver burden in the context of Alzheimer's disease: a 24-month longitudinal study. *International Journal of Geriatric Psychiatry*, 1-26.
363. Walhovd, KB.; Fjell, A.M.; Westerhausen, R.; Nyberg, L.; Ebmeier, K.P.; Lindenberger, U.; Bartrés-Faz, D.; Baaré, W.F.C.; Siebner, H.R.; Henson, R.; Drevon, C.A.; Knudsen, G.P.; Budin-Ljøsne, I.; Penninx, B.W.J.H.; Ghisletta, P.; Rogeberg, O.; Tyler, L.; (2017). Healthy minds from 0-100 years: Optimising the use of European brain imaging cohorts ('Lifebrain'). *European Psychiatry*, 8(47), 76-87.
364. Zoefel, B.; Costa-Faidella, J.; Lakatos, P.; Schroeder, C.E.; VanRullen, R. (2017). Characterization of neural entrainment to speech with and without slow spectral energy fluctuations in laminar recordings in monkey A1. *Neuroimage*, 150(1), 344-357.
365. Zugliani, M.M.; Martin-Santos, R.; Nardi, A.E.; Freire, RC. (2017). Personality Traits in Panic Disorder Patients with and Without Comorbidities. *Journal of Nervous and Mental Disease*, 205, 855-858.

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Passeig de la Vall
d'Hebron, 171
08035 Barcelona

 **Barcelona Knowledge
Campus**
Diagonal, 643
08028 Barcelona

 **Medicine Campus- Hospital
Clínic August Pi i Sunyer**
Casanova, 143
08036 Barcelona

 **Bellvitge Health Sciences
Campus**
Feixa Llarga, s/n
08907 L'Hospitalet
de Llobregat