

PERSONAL INFORMATION **Nuria Bargallo**

WORK EXPERIENCE

- January 1990- Present **Consultor in Neuroradiology**
Hospital Clinic de Barcelona (Spain)
Clinical and educational work in Neuroradiology
- March 2006- Present **Scientific coordinator**
IDIBAPS (Spain)
I a the head of the Magnetic Resonance Image core facility and I give support to researchers who what to use MR for research.
- May 2013- Present **Honorary Consultant**
University college of London Hospital (United Kingdom)
Clinical neuroradiology work

EDUCATION AND TRAINING

- September 1982-June 1988 **Balcheor in Medicine ans Surgery**
University Autonome of Barcelona (Spain)
Medical school for 6 years.
- January 1990-December 1993 **Specialist on Radiology**
Spainsh Ministry of Health (Spain)
4 years of residency in Radiology
- June 2000-October 2004 **Doctor in Medicine and Surgery**
University of Barcelona (Spain)
I do my pre-doc and my thesis in neuroradiology

ADDITIONAL INFORMATION

Expertise I have been working in the field of neuroimaging in the last 25 years, doing clinical practice and research with advance MRI techniques and post-processing. My fields of expertise are imaging in epilepsy, neurodegenerative disease and psychiatric disorders. . In the MRI core facility, 4 research physicist/engineers are specialist in neuroimage post-processing that will support this project.

Publications 1: Whelan CD, Altmann A, Botia JA, Jahanshad N, Hibar DP, Absil J, Alhusaini S, Alvim MKM, Auvinen P, Bartolini E, Bergo FPG, Bernardes T, Blackmon K, Braga B, Caligiuri ME, Calvo A, Carr SJ, Chen J, Chen S, Cherubini A, David P, Domin M, Foley S, Franca W, Haaker G, Isaev D, Keller SS, Kotikalapudi R, Kowalczyk MA, Kuzniecky R, Langner S, Lenge M, Leyden KM, Liu M, Loi RQ, Martin P, Mascalchi M, Morita ME, Pariante JC, Rodriguez-Cruces R, Rummel C, Saavalainen T, Semmelroch MK, Severino M, Thomas RH, Tondelli M, Tortora D, Vaudano AE, Vivash L, von Podewils F, Wagner J, Weber B, Yao Y, Yasuda CL, Zhang G, Bargallo N, Bender B, Bernasconi N, Bernasconi A, Bernhardt BC, Blumcke I, Carlson C, Cavalleri GL, Cendes F, Concha L, Delanty N, Depondt C, Devinsky O, Doherty CP, Focke NK, Gambardella A, Guerrini R, Hamandi K, Jackson GD, Kalviainen R, Kochunov P, Kwan P, Labate A, McDonald CR, Meletti S, O'Brien TJ, Ourselin S, Richardson MP, Striano P, Thesen T, Wiest R, Zhang J, Vezzani A, Ryten M, Thompson PM, Sisodiya SM. Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. Brain. 2018 Feb 1;141(2):391-408. doi: 10.1093/brain/awx341. PMID: 29365066; PMCID: PMC5837616.

2: Sisodiya SM, Whelan CD, Hatton SN, Huynh K, Altmann A, Ryten M, Vezzani A, Caligiuri ME, Labate A, Gambardella A, Ives-Deliperi V, Meletti S, Munsell BC, Bonilha L, Tondelli M, Rebsamen M, Rummel C, Vaudano AE, Wiest R, Balachandra AR, Bargallo N, Bartolini E, Bernasconi A, Bernasconi N, Bernhardt B, Caldairou B, Carr SJA, Cavalleri GL, Cendes F, Concha L, Desmond PM, Domin M, Duncan JS, Focke NK, Guerrini R, Hamandi K, Jackson GD, Jahanshad N, Kalviainen R, Keller SS, Kochunov P, Kowalczyk MA, Kreilkamp BAK, Kwan P, Lariviere S, Lenge M, Lopez SM, Martin P, Mascalchi M, Moreira JCV, Morita-Sherman ME, Pardoe HR, Pariente JC, Raviteja K, Rocha CS, Rodriguez-Cruces R, Seeck M, Semmelroch MKHG, Sinclair B, Soltanian-Zadeh H, Stein DJ, Striano P, Taylor PN, Thomas RH, Thomopoulos SI, Velakoulis D, Vivash L, Weber B, Yasuda CL, Zhang J, Thompson PM, McDonald CR; ENIGMA Consortium Epilepsy Working Group. The ENIGMA-Epilepsy working group: Mapping disease from large data sets. *Hum Brain Mapp.* 2020 May 29. doi: 10.1002/hbm.25037. Epub ahead of print. PMID: 32468614.

3: Writing Committee for the Attention-Deficit/Hyperactivity Disorder; Autism Spectrum Disorder; Bipolar Disorder; Major Depressive Disorder; Obsessive-Compulsive Disorder; and Schizophrenia ENIGMA Working Groups, Patel Y, Parker N, Shin J, Howard D, French L, Thomopoulos SI, Pozzi E, Abe Y, Abe C, Anticevic A, Alda M, Aleman A, Alloza C, Alonso-Lana S, Ameis SH, Anagnostou E, McIntosh AA, Arango C, Arnold PD, Asherson P, Assogna F, Auzias G, Ayesa-Arriola R, Bakker G, Banaj N, Banaschewski T, Bandeira CE, Baranov A, Bargallo N, Bau CHD, Baumeister S, Baune BT, Bellgrove MA, Benedetti F, Bertolino A, Boedhoe PSW, Boks M, Bollettini I, Del Mar Bonnin C, Borgers T, Borgwardt S, Brandeis D, Brennan BP, Bruggemann JM, Bulow R, Busatto GF, Calderoni S, Calhoun VD, Calvo R, Canales-Rodriguez EJ, Cannon DM, Carr VJ, Cascella N, Cercignani M, Chaim-Avancini TM, Christakou A, Coghill D, Conzelmann A, Crespo-Facorro B, Cubillo AI, Cullen KR, Cupertino RB, Daly E, Dannlowski U, Davey CG, Denys D, Deruelle C, Di Giorgio A, Dickie EW, Dima D, Dohm K, Ehrlich S, Ely BA, Erwin-Grabner T, Ethofer T, Fair DA, Fallgatter AJ, Faraone SV, Fatjo-Vilas M, Fedor JM, Fitzgerald KD, Ford JM, Frodl T, Fu CHY, Fullerton JM, Gabel MC, Glahn DC, Roberts G, Gogberashvili T, Goikolea JM, Gottlib IH, Goya-Maldonado R, Grabe HJ, Green MJ, Grevet EH, Groenewold NA, Grotegerd D, Gruber O, Gruner P, Guerrero-Pedraza A, Gur RE, Gur RC, Haar S, Haarman BCM, Haavik J, Hahn T, Hajek T, Harrison BJ, Harrison NA, Hartman CA, Whalley HC, Heslenfeld DJ, Hibar DP, Hilland E, Hirano Y, Ho TC, Hoekstra PJ, Hoekstra L, Hohmann S, Hong LE, Hoschl C, Hovik MF, Howells FM, Nenadic I, Jalbrzikowski M, James AC, Janssen J, Jaspers-Fayer F, Xu J, Jonassen R, Karkashadze G, King JA, Kircher T, Kirschner M, Koch K, Kochunov P, Kohls G, Konrad K, Kramer B, Krug A, Kuntsi J, Kwon JS, Landen M, Landro NI, Lazo L, Lebedeva IS, Lee E, Lera-Miguel S, Lesch KP, Lochner C, Louza MR, Luna B, Lundervold AJ, MacMaster FP, Maglanoc LA, Malpas CB, Portella MJ, Marsh R, Martyn FM, Mataix-Cols D, Mathalon DH, McCarthy H, McDonald C, McPhilemy G, Meinert S, Menchon JM, Minuzzi L, Mitchell PB, Moreno C, Morgado P, Muratori F, Murphy CM, Murphy D, Mwangi B, Nabulsi L, Nakagawa A, Nakamae T, Namazova L, Narayanaswamy J, Jahanshad N, Nguyen DD, Nicolau R, O'Gorman Tuura RL, O'Hearn K, Oosterlaan J, Opel N, Ophoff RA, Oranje B, Garcia de la Foz VO, Overs BJ, Paloyelis Y, Pantelis C, Parellada M, Pauli P, Pico-Perez M, Picon FA, Piras F, Piras F, Plessen KJ, Pomarol-Clotet E, Preda A, Puig O, Quide Y, Radua J, Ramos-Quiroga JA, Rasser PE, Rauer L, Reddy J, Redlich R, Reif A, Reneman L, Reppele J, Retico A, Richarte V, Richter A, Rosa PGP, Rubia KK, Hashimoto R, Sacchet MD, Salvador R, Santonja J, Sarink K, Sarro S, Satterthwaite TD, Sawa A, Schall U, Schofield PR, Schranter A, Seitz J, Serpa MH, Setien-Suero E, Shaw P, Shook D,

Silk TJ, Sim K, Simon S, Simpson HB, Singh A, Skoch A, Skokauskas N, Soares JC, Soreni N, Soriano-Mas C, Spalletta G, Spaniel F, Lawrie SM, Stern ER, Stewart SE, Takayanagi Y, Temmingh HS, Tolin DF, Tomecek D, Tordesillas-Gutierrez D, Tosetti M, Uhlmann A, van Amelsvoort T, van der Wee NJA, van der Werff SJA, van Haren NEM, van Wingen GA, Vance A, Vazquez-Bourgon J, Vecchio D, Venkatasubramanian G, Vieta E, Vilarroya O, Vives-Gilabert Y, Voineskos AN, Volzke H, von Polier GG, Walton E, Weickert TW, Weickert CS, Weideman AS, Wittfeld K, Wolf DH, Wu MJ, Yang TT, Yang K, Yoncheva Y, Yun JY, Cheng Y, Zanetti MV, Ziegler GC, Franke B, Hoogman M, Buitelaar JK, van Rooij D, Andreassen OA, Ching CRK, Veltman DJ, Schmaal L, Stein DJ, van den Heuvel OA, Turner JA, van Erp TGM, Pausova Z, Thompson PM, Paus T. Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. *JAMA Psychiatry*. 2021 Jan 1;78(1):47-63. doi: 10.1001/jamapsychiatry.2020.2694. PMID: 32857118; PMCID: PMC7450410.

4: Falgas N, Ruiz-Peris M, Perez-Millan A, Sala-Llonch R, Antonell A, Balasa M, Borrego-Ecija S, Ramos-Campoy O, Auge JM, Castellvi M, Tort-Merino A, Olives J, Fernandez-Villullas G, Blennow K, Zetterberg H, Bargallo N, Llado A, Sanchez-Valle R. Contribution of CSF biomarkers to early-onset Alzheimer's disease and frontotemporal dementia neuroimaging signatures. *Hum Brain Mapp*. 2020 Jun 1;41(8):2004-2013. doi: 10.1002/hbm.24925. Epub 2020 Jan 16. PMID: 31944489; PMCID: PMC7267898.

5: Campabadal A, Abos A, Segura B, Serradell M, Uribe C, Baggio HC, Gaig C, Santamaria J, Compta Y, Bargallo N, Junque C, Iranzo A. Disruption of posterior brain functional connectivity and its relation to cognitive impairment in idiopathic REM sleep behavior disorder. *Neuroimage Clin*. 2020;25:102138. doi: 10.1016/j.nicl.2019.102138. Epub 2019 Dec 23. PMID: 31911344; PMCID: PMC6948254.

6: Abellaneda-Perez K, Vaque-Alcazar L, Perellon-Alfonso R, Bargallo N, Kuo MF, Pascual-Leone A, Nitsche MA, Bartres-Faz D. Differential tDCS and tACS Effects on Working Memory-Related Neural Activity and Resting-State Connectivity. *Front Neurosci*. 2020 Jan 17;13:1440. doi: 10.3389/fnins.2019.01440. PMID: 32009896; PMCID: PMC6978675.

7: Oriolo G, Egmond E, Marino Z, Cavero M, Navines R, Zamarrenho L, Sola R, Pujol J, Bargallo N, Fornis X, Martin-Santos R. Systematic review with meta-analysis: neuroimaging in hepatitis C chronic infection. *Aliment Pharmacol Ther*. 2018 May;47(9):1238-1252. doi: 10.1111/apt.14594. Epub 2018 Mar 14. PMID: 29536563.

8: Falgas N, Tort-Merino A, Balasa M, Borrego-Ecija S, Castellvi M, Olives J, Bosch B, Fernandez-Villullas G, Antonell A, Auge JM, Lomena F, Perissinotti A, Bargallo N, Sanchez-Valle R, Llado A. Clinical applicability of diagnostic biomarkers in early-onset cognitive impairment. *Eur J Neurol*. 2019 Aug;26(8):1098-1104. doi: 10.1111/ene.13945. Epub 2019 Mar 28. PMID: 30793432.

9: Gil F, Padilla N, Soria-Pastor S, Setoain X, Boget T, Rumia J, Roldan P, Reyes D, Bargallo N, Conde E, Pintor L, Vernet O, Manzanares I, Aden U, Carreno M, Donaire A. Beyond the Epileptic Focus: Functional Epileptic Networks in Focal Epilepsy. *Cereb Cortex*. 2020 Apr 14;30(4):2338-2357. doi: 10.1093/cercor/bhz243. PMID: 31867595.

10: Mateu-Estivill R, Forne S, Lopez-Sala A, Falcon C, Caldu X, Sopena JM, Sans A, Adan A, Grau S, Bargallo N, Serra-Grabulosa JM. Functional connectivity alterations associated with literacy difficulties in early readers. *Brain Imaging Behav*. 2020 Oct 13. doi: 10.1007/s11682-020-00406-3. Epub ahead of print. PMID: 33048291.

- Projects**
- 1- Name of the project TRACTOGRAFIA PARA LA LATERALIZACION DEL LENGUAJE EN PACIENTES EPILEPTICOS
Entity where project took place: Institut d'Investigacions Biomediques August Pi i Sunyer
Name principal investigator (PI, Co-PI....): NURIA BARGALLO ALABART
Nº of researchers: 4
Funding entity or bodies:
Instituto de Salud Carlos III Type of entity: State agency
Start-End date: 01/01/2018 - 31/12/2021
Total amount: 38.720
- 2- Name of the project: Conservative iron chelation as a disease-modifying strategy in Parkinsons disease: a
multicentric parallel-group,placebo-controlled, randomized clinical trial of deferiprone
Funding entity or bodies: CE_H2020-PHC-2014-2s Type of entity: State agency
Type of participation: Team member
Name of the programme: horizon 2020
Start-End date: 2015 - 2020
Total amount: 284.452,96
- 3 Name of the project: GRUP DE RECERCA CONSOLIDAT NEUROPSICOLOGIA
Name principal investigator (PI, Co-PI....): CARMEN JUNQUE PLAJA
Funding entity or bodies: AGAUR_SGR17 Type of entity: State agency
Code according to the funding entity: 2017_SGR_1502
Start-End date: 01/01/2017 - 31/12/2019
Total amount: 35.200
- 4 Name of the project: Estudio de biomarcadores y desarrollo de nuevas estrategias terapeuticas en una
cohorte multicentrica de Demencia Frontotemporal
Degree of contribution: Researcher
Entity where project took place: Fundacio Clinic per la Recerca Biomedica
Funding entity or bodies: Generalitat de Catalunya
Type of participation: Team member
Name of the programme: PERIS
Start-End date: 2017 - 2019
Total amount: 10.015,7
- 5 Name of the project: The Michael J. Fox Foundation for Parkinson's Reseach. Clinical study agreement to
the executon of the project entitled "The Parkinson's Progesion Markers Initiative (PPMI)".
Funding entity or bodies: Michael J. Fox Foundation for Parkinson's Reseach Type of entity: Foundation
City funding entity: United States of America
Start-End date: 06/11/2013 - 31/12/2018
Total amount: 1.106.099,33
- 6 Name of the project: Mejora de la infraestructura de la plataforma de investigacion Imagen de Resonancia
Magnetica (RM) de IDIBAPS: actualizacion del hardware del equipo de RM 3T para investigacion clinica
Nº of researchers: 14
Funding entity or bodies: MINECO-infraestruct15
Code according to the funding entity: IBPS15-EE-3688
Start-End date: 01/01/2016 - 30/06/2018
Total amount: 470.000
- 7 Name of the project: Papel de la resonancia magnetica por difusion de tensores en la evaluacion prequirurgica de pacientes con epilepsia focal farmacorresistente sin lesion en la resonancia

magnetic

Nº of researchers: 6

Funding entity or bodies: FIS-ICIII

Start-End date: 2009 - 2012

Total amount: 66.500

8 Name of the project: Desarrollo cerebral y condiciones estresantes tempranas en salud mental. EL rol

mediador de mecanismos epigeneticos y correlatos de neuroimagen. (ES-EUEpiBrain)

Name principal investigator (PI, Co-PI....): Lourdes Fananas

Nº of researchers: 6

Funding entity or bodies: MINECO. Accion dinamizacio de Redes de Excelencia

Start date: 2016 Duration: 2 years

Participating entity/entities: CIBERSAM; Facultad de Biologia; Institut d' Investigacions Biomediques

August Pi i Sunyer

Total amount: 17.000

9 Name of the project: Agression subtyping for improvement insight and treatment innovation in pediatric

psychiatric disorders " AGRESSOTYPE".

Name principal investigator (PI, Co-PI....): Fina Castro

Nº of researchers: 4

Funding entity or bodies: Comissio Europea Health 2013-2.2.1-3 FP7 Health innovation

Start date: 2014 Duration: 4 years

Participating entity/entities: Institut d' Investigacions Biomediques August Pi i Sunyer

Total amount: 6.000.000

10 Name of the project: Multidisciplinary Approaches to Translational Research In Conduct MATRICS

Name principal investigator (PI, Co-PI....): Fina Castro

Nº of researchers: 4

Funding entity or bodies: Comissio Europea Health 2013-2.2.1-3 FP7 Health innovation

Start date: 2014 Duration: 4 years

Participating entity/entities: Institut d' Investigacions Biomediques August Pi i Sunyer

Total amount: 21.334

11 Name of the project: Tecnicas no convencionales de resonancia magnetica en neuro lupus. Correlacion

con las características clinicas y de laboratorio

Name principal investigator (PI, Co-PI....): Nuria Bargallo

Nº of researchers: 4

Funding entity or bodies: Societat Espanola de Radiologia

Start date: 2014 Duration: 2 years

Memberships

-President of the Spanish Society of Neuroradiology 2021

- Member of the ExCom of ESR: Chair of the Quality, safety and Standards committee 2020.

-Member of the Diagnostic Committee of the European Society of Neuroradiology 2015-2020

-Chair of Social Media of the European Society of Neuroradiology. (2016-2018)

-Member of the Spanish Society of Radiology

-Member of the British Society of Radiology

-Member of the American Society of Neuroradiology

Award to the Scientific trajectory 2018 SERAM

Other Relevant Information