

PERSONAL INFORMATION **Fernando Cabanas**

WORK EXPERIENCE

August 2017- Present **Healthcare professionals representative in the Paediatric Committee (PDCO)**
European Medicines Agency (EMA) (Netherlands)

September 2011- Present **Professor in Paediatrics and Neonatology**
Universidad Europea (European University) (Spain)

2013- Present **Director of Department of Paediatrics and Neonatology**
Quironsalud Madrid University Hospital (Spain)

1987- 2013 **Professor in Paediatrics**
Universidad Autonoma de Madrid (Autonoma University of Madrid) (Spain)

2013- Present **Research of Biomedical Research Foundation**
La Paz University Hospital (Spain)

2000- 2013 **Member of Steering Committee. Department of Neonatology**
La Paz University Hospital (Spain)

1985- 2013 **Director of Neonatal Neuroimaging and Haemodynamics Unit.**
Department of Neonatology, La Paz University Hospital (Spain)

1982- 1984 **Consultant Neonatologist**
Dept of Neonatology, La Paz University Hospital (Spain)

EDUCATION AND TRAINING

- 2013 **MASTER in leadership and management in health research**
(Spain)

- 1987 **PhD: Pathogenic factors of the intraventricular haemorrhage in low birth weight**
Universidad Autonoma (Spain)

- 1981 **Specialist in Pediatrics**
La Paz University Hospital (Spain)

1980- 1982 **Resident and research fellow, Dept of Neonatology**
La Paz Hospital (Spain)

1977- 1981 **Resident of Pediatrics**
La Paz Hospital (Spain)

1970- 1976 **Medical Graduate**

ADDITIONAL INFORMATION

Expertise

Research profile and leadership experience

- Expert on neuroimaging and haemodynamics with extensive research experience. My field of research has been neonatal brain, neuroimaging, and circulation, near-infrared spectroscopy and functional echocardiography. I have investigated the effects of different interventions on cerebral and systemic haemodynamics.
- Research includes drug developments in the neonatal population.
- Leading investigator at Biomedical Research Foundation. La Paz University Hospital-IDIPAZ on the research network SAMID and RETICS. Scientific Director of study of systemic and brain hemodynamics and oxygenation by non-invasive technologies during the neonatal period
- International and national Research grants: 43 research projects supported by private or public institutions
- International collaborative studies: 9 Academic European, multicentric studies
- PI in La Paz University Hospital and Board member of NeoCirculation Clinical Trials, supported by European Union 7FP. Dobutamine for NEOnatal CIRculatory failure defined by novel biomarkers (NEO-CIRC) financiado por el 7º Programa Marco de la Unión Europea. FP7-HEALTH-2011-single-stage. EudraCT NeoCirc001:2013-002845-12
- PI Biomedical Research Foundation, La Paz University Hospital-IDIPAZ of Spanish Paediatric, Maternal and Neonatal Network (RED de Salud Materno Infantil - RETIC SAMID-) and member of Network Governing Council-NGC) of Spanish Health Research Carlos III (RD08/0072/0018: 2008-2012; RD12/0026/0004: 2013-2017); RD16/0022/0004 (2017-2021). Network Member of Enpr-EMA (Network fulfilling all minimum criteria)
- 2019- Member of Ethics expert group of the 4conect children (collaborative network for European Clinical Trials for Children).
- 2017- Member of the Steering and Executive committee of the Spanish Network of Clinical Trials in Pediatrics (RECLIP). Spanish Pediatric Clinical Trials Network.
- 2016- Member of Steering group European Brain Ultrasound (EurUS.brain)- European Society of Neonatology (ESN)
- 2015- Expert Member in the European Network of Pediatric Research at the European Medicines Agency (Enpr-EMA)
- 2015- Invited member of Standing Advisory Group of Neonatal Drug Development European Medicines Agency (EMA). Enpr-EMA Neonatology working Group. (Meeting on neonatal collaboration between Investigators an the EMA).
- 2014- Steering committee member of the network SAMID (Network Member of Enpr-EMA)
- 2014- Head of the Commission for Clinical Research and Clinical Trials Research Network SAMID (Network Member of Enpr-EMA)
- 2014- Member of the Pharmacy Committee of the Quironsalud University Hospital Madrid
- Member of the Paediatric Expert Group of Spanish Medicine Evaluation Agency (AEMPS)
- 2003- Member of Biomedical Research Foundation Ethic Committee. La Paz University Hospital-IDIPAZ

Publications

SELECTED RELEVANT PUBLICATIONS

- Bravo MC, López-Ortego P, Sánchez L, Díez J, Cabañas F, Pellicer A.
Randomised trial of dobutamine versus placebo for low superior vena cava flow in preterm infants: Long-term neurodevelopmental outcome. J Paediatr Child Health. 2021 Jan 19. doi: 10.1111/jpc.15344. Online ahead of print. PMID: 33464688
- Méndez-Echevarría A, Pérez-Martínez A, Gonzalez Del Valle L, Ara MF, Melendo S, Ruiz de Valbuena M, Vazquez-Martinez JL, Morales-Martínez A, Remesal A, Sándor-Bajusz KA, Cabañas F, Calvo C. Compassionate use of remdesivir in children with COVID-19. Eur J Pediatr. 2020 Nov 16:16. doi: 10.1007/s00431-020-03876-1. Epub ahead of print. PMID: 33200304; PMCID: PMC7668659.
- Serrera A, Rodríguez-Cuitiño L, Cabañas F. Occult bacteremia due to *Kingella kingae* associated with herpetic gingivostomatitis. Enferm Infecc Microbiol Clin.

2020 Oct 31:S0213-005X(20)30303-7. English, Spanish. doi: 10.1016/j.eimc.2020.09.013. Epub ahead of print. PMID: 33143858.

- Pellicer A, Fernández R, Jullien V, Gleeson C, Bravo MC, Ortego PL, Sánchez L, Ybarra M, Rojas-Anaya H, Cabañas F, Koch A, Smith A, Rabe H; Neocirculation Consortium. Pharmacokinetic study (phase I-II) of a new dobutamine formulation in preterm infants immediately after birth. *Pediatr Res.* 2020 Jul 1. doi: 10.1038/s41390-020-1009-0. Epub ahead of print. PMID: 32610341.

- Dudink J, Jeanne Steggerda S, Horsch S; eurUS.brain group. State-of-the-art neonatal cerebral ultrasound: technique and reporting. *Pediatr Res.* 2020 Mar;87(Suppl 1):3-12. doi: 10.1038/s41390-020-0776-y. Review. PubMed PMID: 32218539; PubMed Central PMCID: PMC7098885.

- Fumagalli M, Parodi A, Ramenghi L, Limperopoulos C, Steggerda S; eurUS.brain group. Ultrasound of acquired posterior fossa abnormalities in the newborn. *Pediatr Res.* 2020 Mar;87(Suppl 1):25-36. doi: 10.1038/s41390-020-0778-9. Review. PubMed PMID: 32218537; PubMed Central PMCID: PMC7098891.

- Camfferman FA, de Goederen R, Govaert P, Dudink J, van Bel F, Pellicer A, Cools F; eurUS.brain group. Diagnostic and predictive value of Doppler ultrasound for evaluation of the brain circulation in preterm infants: a systematic review. *Pediatr Res.* 2020 Mar;87(Suppl 1):50-58. doi: 10.1038/s41390-020-0777-x. Review. PubMed PMID: 32218536; PubMed Central PMCID: PMC7098887.

- Parodi A, Govaert P, Horsch S, Bravo MC, Ramenghi LA; eurUS.brain group. Cranial ultrasound findings in preterm germinal matrix haemorrhage, sequelae and outcome. *Pediatr Res.* 2020 Mar;87(Suppl 1):13-24. doi: 10.1038/s41390-020-0780-2. Review. PubMed PMID: 32218535; PubMed Central PMCID: PMC7098890.

- Agut T, Alarcon A, Cabañas F, Bartocci M, Martínez-Biarge M, Horsch S; eurUS.brain group. Preterm white matter injury: ultrasound diagnosis and classification. *Pediatr Res.* 2020 Mar;87(Suppl 1):37-49. doi: 10.1038/s41390-020-0781-1. Review. PubMed PMID: 32218534; PubMed Central PMCID:PMC7098888.

- Mesa MD, Loureiro B, Iglesia I, Fernandez Gonzalez S, Llubra Olivé E, García Algar O, Solana MJ, Cabero Perez MJ, Sainz T, Martínez L, Escuder-Vieco D, Parra-Llorca A, Sánchez-Campillo M, Rodríguez Martínez G, Gómez Roig D, Perez Gruz M, Andreu-Fernández V, Clotet J, Sailer S, Iglesias-Platas I, López-Herce J, Aras R, Pallás-Alonso C, de Pipaon MS, Vento M, Gormaz M, Larqué Daza E, Calvo C, Cabañas F. The Evolving Microbiome from Pregnancy to Early Infancy: A Comprehensive Review. *Nutrients.* 2020 Jan 2;12(1):133. doi: 10.3390/nu12010133. PMID: 31906588 Free PMC article.

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Arnaez J, Herranz-Rubia N, Garcia-Alix A; Grupo de Trabajo ESP-EHI; Grupo de Trabajo ESP-EHI. Unidades de Neonatología. Hospitales terciarios, España (F Cabañas et al). Holistic approach of the care of the infant with hypoxic-ischaemic encephalopathy in Spain. *An Pediatr (Barc).* 2019 Aug 2. pii: S1695-4033(19)30204-8. doi: 10.1016/j.anpedi.2019.05.013. [Epub ahead of print]. PMID: 31383601.

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Bravo MC, Cabañas F, Riera J, Pérez-Fernández E, Quero J, Pérez-Rodríguez J, Pellicer A. Randomised controlled clinical trial of standard versus echocardiographically guided ibuprofen

treatment for patent ductus arteriosus in preterm infants: a pilot study. *JJ Matern Fetal Neonatal Med.* 2014 Jun;27(9):904-9. doi: 10.3109/14767058.2013.846312. Epub 2013 Oct 11. PMID: 24047189

Durrmeyer X, Hummler H, Sanchez-Luna M, Carnielli VP, Field D, Greenough A, Van Overmeire B, Jonsson B, Hallman M, Mercier JC, Marlow N, Johnson S, Baldassarre J; European Union Nitric Oxide Study Group. Two-year outcomes of a randomized controlled trial of inhaled nitric oxide in premature infants. *Pediatrics.* 2013 Sep;132(3):e695-703. doi: 10.1542/peds.2013-0007. Epub 2013 Aug 12. PMID: 23940237 [PubMed - indexed for MEDLINE]

Pérez-Yarza EG, Cabañas F, García-Algar O, Valverde-Molina J. [Anales de Pediatría: the past, the present and the future]. *An Pediatr (Barc).* 2013 Nov;79(5):277-8. doi: 10.1016/j.anpedi.2013.06.008. Epub 2013 Jul 31. Spanish. No abstract available.

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Alarcon A, Martinez-Biarge M, Cabañas F, Hernanz A, Quero J, Garcia-Alix A.

J Pediatr. Clinical, Biochemical, and Neuroimaging Findings Predict Long-Term Neurodevelopmental Outcome in Symptomatic Congenital Cytomegalovirus Infection. 2013 *J Pediatr.* Apr 13. doi:pil: S0022-3476(13)00290-4. 10.1016/j.jpeds.2013.03.014. [Epub ahead of print] PMID: 23587436 [PubMed - as supplied by publisher]

Pellicer A, Riera J, Lopez-Ortego P, Bravo MC, Madero R, Perez-Rodriguez J, Labrandero C, Quero J, Buño A, Castro L, Lubomirov R, Cabañas F.

Phase 1 study of two inodilators in neonates undergoing cardiovascular surgery. *Pediatr Res.* 2013 Jan;73(1):95-103. doi: 10.1038/pr.2012.154. Epub 2012 Nov 8. PubMed PMID: 23138399.

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fluid concentrations to the neurologic condition of asphyxiated full-term

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Pellicer A, Cabañas F, García-Alix A, Pérez-Higueras A, Quero J. Stroke in neonates with cardiac right-to-left shunt. *Brain Dev*. 1992 Nov;14(6):381-5. PubMed PMID: 1492650.

García-Alix A, Blanco D, Cabañas F, Garcia Sanchez P, Pellicer A, Quero J. Early neurological manifestations and brain anomalies in Marden-Walker syndrome. *Am J Med Genet*. 1992 Sep 1;44(1):41-5. PubMed PMID: 1519648.

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Projects

Memberships

International Societies Membership

Since

1990- European Society of Perinatal Medicine

1991- European Society of Magnetic Resonance in Neuropediatrics (Council member 1991-1993)

1994- American Institute of Ultrasound in Medicine

1993- European Society for Pediatric Research (ESPR)

1994- ESPR Working Group on Brain and Development

Council member (1996-2000)

1994- Society for Pediatric Research (SPR) Affiliate member (USA)

2004-2007; vice-president of Iberoamerican Society of Neonatology (SIBEN)

2007- Sept 2013 President of Iberoamerican Society of Neonatology (SIBEN)

2013- European Academy of Pediatrics

2016- Member of Steering group European Brain Ultrasound (EurUS.brain)- European Society of Neonatology (ESN)

Other Relevant Information

Other scientific qualifications

Invited speaker: 76 lectures at international meetings

Research tutoring (PhD): 5 PhD

Research review: regular reviewer for 6 journals (5 international-English journals)

OTHERS

Member of the Paediatric Expert Group of Spanish Medicine Evaluation Agency (AEMPS)

2003- Member of Biomedical Research Foundation Ethic Committee. La Paz University Hospital-IDIPAZ

Co-Editor of Anales de Pediatría (Barc). Since 2000-2013 (ISI)

RECENT AWARDS AND RECOGNITIONS

Nomination of the Academic Numerary of the Illustrious Academy of Health Sciences Ramón y Cajal, in recognition of his excellent professional career and his notorious prestige in the field of health. February 2019,

Award of the Dr. Gómez Ulla Prize for Health Excellence 2019, in recognition of his professional prestige and commitment to Excellence. June 2019

Award of the European Medal of Merit at Work 2019, in recognition of his brilliant professional career as a Pediatrician Neonatologist. October 2019