

SCIENTIFIC AND TECHNOLOGICAL PROFILE OF THE GROUP

Thematic area: PRIMARY CARE, CHRONICITY AND HEALTH PROMOTION		RICORS Code RD21/0012/0012
Programme name:	PRIMARY CARE PROMOTION OF MATERNAL, CHILD AND WOMEN'S HEALTH FOR PREVENTION OF ADULT CHRONIC DISEASES	
Group leader:	GERARDO RODRÍGUEZ MARTÍNEZ	
Applicant Institution:	INSTITUTO DE INVESTIGACIÓN SANITARIA DE ARAGÓN (IISA)	
Working Institution:	INSTITUTO DE INVESTIGACIÓN SANITARIA DE ARAGÓN (IISA)	
PI Work Institution:	HOSPITAL CLÍNICO UNIVERSITARIO "LOZANO BLESA"	

Participants

Researcher	Family Name (s)	First Name (s)	Work Institution	Position
1	RODRÍGUEZ MARTÍNEZ	GERARDO	HOSPITAL CLÍNICO UNIVERSITARIO "LOZANO BLESA"	Officer
2	IGLESIA ALTABA	IRIS	INSTITUTO DE INVESTIGACIÓN SANITARIA DE ARAGÓN (IISA)	Contracted
3	PUEYO ROYO	M ^a VICTORIA	HOSPITAL UNIVERSITARIO MIGUEL SERVET	Statutory staff
4	ORÓS LÓPEZ	DANIEL	HOSPITAL CLÍNICO UNIVERSITARIO "LOZANO BLESA"	Statutory staff
5	PAULES TEJERO	CRISTINA SOLEDAD	HOSPITAL CLÍNICO UNIVERSITARIO "LOZANO BLESA"	Contracted
6	RUIZ MARTÍNEZ	SARA	HOSPITAL CLÍNICO UNIVERSITARIO "LOZANO BLESA"	Contracted
7	FABRE ESTREMERÁ	MARTA	INSTITUTO DE INVESTIGACIÓN SANITARIA DE ARAGÓN (IISA)	Contracted
8	SCHOORLEMMER	JON	INSTITUTO DE INVESTIGACIÓN SANITARIA DE ARAGÓN (IISA)	Contracted
9	PÉREZ ROCHE	TERESA	HOSPITAL UNIVERSITARIO MIGUEL SERVET	Contracted
10	CASTILLO CASTEJÓN	OLIMPIA	HOSPITAL UNIVERSITARIO MIGUEL SERVET	Contracted
11	PIÉ JUSTE	JUAN		Officer
12	RAMOS FUENTES	FELICIANO	HOSPITAL CLÍNICO UNIVERSITARIO "LOZANO BLESA"	Officer
13	SAMPER VILLAGRASA	M ^a PILAR	HOSPITAL CLÍNICO UNIVERSITARIO "LOZANO BLESA"	Officer

RICORS Code RD21/0012/0012

PUBLICATIONS

Up to twenty selected publications related to the RICORS's Thematic Area (published in the last five years)

[Rapid Weight Gain, Infant Feeding Practices, and Subsequent Body Mass Index Trajectories: The CALINA Study.](#)

Flores-Barrantes P, Iguacel I, Iglesia-Altaba I, Moreno LA, Rodríguez G. *Nutrients* (IF: 4.546; Q1). 2020 Oct 17;12(10):3178. doi: 10.3390/nu12103178. PMID: 33080922

0 cites

[Routine third-trimester ultrasound detection of fetal abnormalities.](#)

Oros D. *BJOG* (IF: 4.663; Q1). 2021 Jan;128(2):270. doi: 10.1111/1471-0528.16520. Epub 2020 Oct 8. PMID: 3295656

0 cites

[Altered DNA methylation in human placenta after \(suspected\) preterm labor.](#)

Schoorlemmer J, Macías-Redondo S, Strunk M, Ramos-Ruiz R, Calvo P, Benito R, Paules C, Oros D.

Epigenomics (IF: 4.112; Q1). 2020 Oct;12(20):1769-1782. doi: 10.2217/epi-2019-0346. Epub 2020 Oct 27. PMID: 33107765

0 cites

[Detection of FGR and childhood outcomes.](#)

Oros D. *BJOG* (IF: 4.663; Q1). 2021 Jan;128(1):86. doi: 10.1111/1471-0528.16437. Epub 2020 Aug 13. PMID: 32725945

0 cites

[Prevention of thrombosis in pregnant women with suspected SARS-CoV-2 infection: clinical management algorithm.](#)

Lou-Mercadé AC, Gavín O, Oros D, Paules C, Savirón-Cornudella R, Mateo P, Páramo JA, Ruiz-Martinez S. *Ultrasound Obstet Gynecol* (IF: 5.571; Q1). 2020 Jul;56(1):111-112. doi: 10.1002/uog.22096. PMID: 32449242

1 cite

[Clinical impact of Doppler reference charts on management of small-for-gestational-age fetuses: need for standardization.](#)

Ruiz-Martinez S, Papageorgiou AT, Staines-Urias E, Villar J, Gonzalez De Agüero R, Oros D. *Ultrasound Obstet Gynecol* (IF: 5.571; Q1). 2020 Aug;56(2):166-172. doi: 10.1002/uog.20380. Epub 2020 Jun 30. PMID: 31237023

2 cites

[Quality assessment of fetal middle cerebral and umbilical artery Doppler images using an objective scale within an international randomized controlled trial.](#)

Rial-Crestelo M, Morales-Roselló J, Hernández-Andrade E, Prefumo F, Oros D, Caffici D, Sotiriadis A, Zohav E, Cruz-Martinez R, Parra-Cordero M, Lubusky M, Kacerovsky M, Figueras F. *Ultrasound Obstet Gynecol* (IF: [5.571](#); Q1). 2020 Aug;56(2):182-186. doi: 10.1002/uog.20370. Epub 2020 Jun 26. PMID: 31180608

0 cites

[Genetic Diagnosis of Rare Diseases: Past and Present.](#)

Ramos-Fuentes F, González-Meneses A, Ars E, Hernández-Jaras J. *Adv Ther* (IF: [3.871](#); Q1). 2020 May;37(Suppl 2):29-37. doi: 10.1007/s12325-019-01176-1. Epub 2020 Mar 31. PMID: 32236876

0 cites

[Development of a system based on artificial intelligence to identify visual problems in children: study protocol of the TrackAI project.](#)

Pueyo V, Pérez-Roche T, Prieto E, Castillo O, Gonzalez I, Alexandre A, Pan X, Fanlo-Zarazaga A, Pinilla J, Echevarria JI, Gutierrez D, Altemir I, Romero-Sanz M, Cipres M, Ortin M, Masia B. *BMJ Open* (IF: [2.496](#); Q1). 2020 Feb 17;10(2):e033139. doi: 10.1136/bmjopen-2019-033139. PMID: 32071178

1 cite

[The Evolving Microbiome from Pregnancy to Early Infancy: A Comprehensive Review.](#)

Mesa MD, Loureiro B, Iglesia I, Fernandez Gonzalez S, Llubra Olivé E, García Algar O, Solana MJ, Cabero Perez MJ, Sainz T, Martinez L, Escuder-Vieco D, Parra-Llorca A, Sánchez-Campillo M, Rodriguez Martinez 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. *Nutrients* (IF: [4.546](#); Q1). 2020 Jan 2;12(1):133. doi: 10.3390/nu12010133. PMID: 31906588

14 cites

[Reference ranges for Doppler indices of umbilical and fetal middle cerebral arteries and cerebroplacental ratio: systematic review.](#)

Oros D, Ruiz-Martinez S, Staines-Urias E, Conde-Agudelo A, Villar J, Fabre E, Papageorghiou AT. *Ultrasound Obstet Gynecol* (IF: [5.571](#); Q1). 2019 Apr;53(4):454-464. doi: 10.1002/uog.20102. Epub 2019 Mar 7. PMID: 30126005

25 cites

[Study protocol for a randomised controlled trial: treatment of early intrauterine growth restriction with low molecular weight heparin \(TRACIP\).](#)

Mazarico E, Peguero A, Camprubí M, Rovira C, Gomez Roig MD, Oros D, Ibáñez-Burillo P, Schoorlemmer J, Masoller N, Tàssies MD, Figueras F. *BMJ Open* (IF: [2.496](#); Q1). 2018 Oct 23;8(10):e020501. doi: 10.1136/bmjopen-2017-020501. PMID: 30355790

2 cites

[Early life risk factors and their cumulative effects as predictors of overweight in Spanish children.](#)

Iguacel I, Escartín L, Fernández-Alvira JM, Iglesia I, Labayen I, Moreno LA, Samper MP, Rodríguez G; CALINA study group. *Int J Public Health* (IF: [2.419](#); Q1). 2018 May;63(4):501-512. doi: 10.1007/s00038-018-1090-x. Epub 2018 Mar 16. PMID: 29549397

7 cites

[Umbilical Cord Blood NOS1 as a Potential Biomarker of Neonatal Encephalopathy.](#)

Lei J, Paules C, Nigrini E, Rosenzweig JM, Bahabry R, Farzin A, Yang S, Northington FJ, Oros D, McKenney S, Johnston MV, Graham EM, Burd I. *Front Pediatr* (IF: [2.634](#); Q1). 2017 May 22;5:112. doi: 10.3389/fped.2017.00112. eCollection 2017. PMID: 28649562

0 cites

[Altered gene expression in human placenta after suspected preterm labour.](#)

Oros D, Strunk M, Breton P, Paules C, Benito R, Moreno E, Garcés M, Godino J, Schoorlemmer J. *Placenta* (IF: [3.177](#); Q1). 2017 Jul;55:21-28. doi: 10.1016/j.placenta.2017.04.025. Epub 2017 Apr 28. PMID: 28623969

3 cites

[Impact of aspirin on trophoblastic invasion in women with abnormal uterine artery Doppler at 11-14 weeks: a randomized controlled study.](#)

Scazzocchio E, Oros D, Diaz D, Ramirez JC, Ricart M, Meler E, González de Agüero R, Gratacos E, Figueras F. *Ultrasound Obstet Gynecol* (IF: [5.571](#); Q1). 2017 Apr;49(4):435-441. doi: 10.1002/uog.17351. PMID: 27807890

15 cites

[Reproducibility and Inter-rater Reliability of 2 Paediatric Nutritional Screening Tools.](#)

Galera-Martínez R, Moráis-López A, Rivero de la Rosa MD, Escartín-Madurga L, López-Ruzafa E, Ros-Arnal I, Ruiz-Bartolomé H, Rodríguez-Martínez G, Lama-More RA. *J Pediatr Gastroenterol Nutr* (IF: [2.937](#); Q1). 2017 Mar;64(3):e65-e70. doi: 10.1097/MPG.0000000000001287. PMID: 27262137

13 cites

[Retinal structure assessed by OCT as a biomarker of brain development in children born small for gestational age.](#)

Pueyo V, Pérez T, González I, Altemir I, Gimenez G, Prieto E, Paules C, Oros D, Lopez-Pison J, Fayed N, Garcia-Martí G, Sanz-Requena R, Marin MA. *Br J Ophthalmol* (IF: [3.611](#); Q1). 2017 Sep;101(9):1168-1173. doi: 10.1136/bjophthalmol-2016-309790. Epub 2017 Feb 9. PMID: 28183829

2 cites

[Threatened preterm labor is a risk factor for impaired cognitive development in early childhood.](#)

Paules C, Pueyo V, Martí E, de Vilchez S, Burd I, Calvo P, Oros D. *Am J Obstet Gynecol* (IF: [6.502](#); Q1). 2017 Feb;216(2):157.e1-157.e7. doi: 10.1016/j.ajog.2016.10.022. Epub 2016 Oct 22. PMID: 27780701

27 cites

[Vaginal progesterone as maintenance treatment after an episode of preterm labour \(PROMISE\) study: a multicentre, double-blind, randomised, placebo-controlled trial.](#)

Palacio M, Cobo T, Antolín E, Ramirez M, Cabrera F, Mozo de Rosales F, Bartha JL, Juan M, Martí A, Oros D, Rodríguez À, Scazzocchio E, Olivares JM, Varea S, Ríos J, Gratacós E; PROMISE Collaborative Group. *BJOG* (IF: 4.663; Q1). 2016 Nov;123(12):1990-1999. doi: 10.1111/1471-0528.13956. Epub 2016 Mar 30. PMID: 27028759

12 cites

RICORS Code RD21/0012/0012

INTERNATIONAL AND NATIONAL RESEARCH PROJECTS

(Funded in the last five years)

Desarrollo de una prueba de exploración campimétrica automatizada para exploración infantil

Financing entity: Instituto Carlos III. FIS PI18/01869.

Principal investigator: Victoria Pueyo.

Collaborating researchers: Teresa Pérez, Olimpia Castillo.

Period: 2019-2022.

Amount financed: 117.370 €

Desarrollo de un dispositivo para explorar la función visual en niños y pacientes no colaboradores (DIVE)

Financing entity: Instituto Carlos III. DTS18/00068.

Principal investigator: Victoria Pueyo.

Collaborating researchers: Olimpia Castillo.

Period 2019-2021.

Amount financed: 45.650 €

Tratamiento del CIR Precoz con heparina de bajo peso molecular: ensayo clínico randomizado (TRACIP) Financing entity: Instituto Carlos III PI16/00595.

Principal investigator: Daniel Orós

Collaborating researchers: Rafael González de Agüero, M^aPilar Samper Villagrasa, Pedro Muniesa, María Climent, Ana Cristina Lou

Period: 2016-2019

Amount financed: 55.450 €

Incorporación del ratio sFlt1/PIGF en el diagnóstico y clasificación de preeclampsia: Ensayo clínico randomizado (EuroPE estudio)

Financing entity: Instituto Carlos III PI16/375

Principal investigator: Elisa Llorba Olivé. IIB Sant Pau. Instituto de Investigación Hospital Santa Cruz y San Pablo.

Collaborating researchers: Patricia Ibañez, Manuel Romero, Marta Fabre, Sara Ruiz

Period: 2016-2019

Amount financed: 111.925 € (*Not own budget*)

Inflamación y angiogénesis en la prematuridad: el impacto de la amenaza de parto pretérmino.

Financing entity: Instituto Carlos III PI17/02208

Principal investigator: Jon Schoorlemmer

Collaborating researchers: Pilar Calvo, Marta Fabre, Patricia Ibañez Burillo, María Climent y Pedro Muniesa

Period: 2017-2020

Amount financed: 93.170,00€

CRIBado Secuencial de Preeclampsia mediante el uso de marcadores angiogénicos en el primer trimestre (estudio CRISP).

Financing entity: Instituto Carlos III PI19/00692

Principal investigator: Daniel Orós

Collaborating researchers: Marta Fabre, Sara Ruiz

Period: 2019-2022

Amount financed: 97.707,50 €

Finding Common Molecular Mechanisms in Neurodegeneration Refbio II Network

Financing entity: Programa INTERREG V-A España-Francia-Andorra POCTEFA (Operational Program for Cross-Border Cooperation).

Principal investigator: Jon Schoorlemmer.

Period: 15/03/2017- 15/09/2018.

Amount financed: (84.200 €) 14.000 € in our group

La implicación de los Retrovirus Endógenos Humanos (HERV-K) en la esclerosis lateral amiotrófica

Research Grants on Orphan Drugs and Rare Diseases.

Principal investigator: Jon Schoorlemmer. (IIS Aragón).

Period:31/03/2016-31/03/2017

Amount financed:10.000 €

Minimización del impacto de la caudofagia en explotaciones.

Cooperation for the execution of projects of the Operational Groups of the European Association for Innovation (AEI).

Period: 23/03/2018-30/09/2020.

Amount financed: 15.000€

Evaluación mediante hormona antimulleriana (AMH) de la reserva ovárica tras el tratamiento de los endometriomas mediante esclerosis con alcohol o cirugía.

Financing entity: Instituto Carlos III PI16/00801. IDIBELL Foundation

Amount financed: 80.465,00 € (not own budget)

Impacto de la amenaza de parto prematuro en la programación cardiovascular y metabólica desde la vida fetal hasta la infancia.

Financing entity: Instituto Carlos III PI20/00741

Principal investigator: Cristina Paules

Period: 2020-2023

Amount financed: 42.955 €

Seguimiento ecográfico en gestantes con infección por COVID-19. Riesgos asociados a la infección severa y al trimestre del embarazo.

Call for expressions of interest for the Amount financed of research projects on SARS-CoV-2 and the COVID19 disease.

Financing entity: Instituto Carlos III. Ministerio de Ciencia e Innovación.

Principal investigator: Hospital Clínic Barcelona

Collaborating researchers: Cristina Paules, Daniel Orós

Amount financed: 27.375 € (not own budget)

Gestación y COVID-19: estudio clínico y microbiológico (GESTA-COVID19). COV20/188.

Call for expressions of interest for the Amount financed of research projects on SARS-CoV-2 and the COVID19 disease.

Financing entity: Instituto Carlos III. Ministerio de Ciencia e Innovación.

Principal investigator: Hospital Universitario Valle de Hebrón

Collaborating researchers: Sara Ruiz, Daniel Orós

Amount financed: 136.478€ (not own budget)

Ómicas e Inteligencia Artificial: Herramientas para entender los Mecanismos Moleculares de la Resistencia a la Insulina en Niños Obesos durante la Pubertad.

Financing entity: Instituto Carlos III PI20/00988.

Principal Investigator: Gloria Bueno Lozano

Collaborating researchers: Olga Bueno Lozano, Pilar Argente, M^a del Pilar de Miguel Etayo, Iris Iglesia Altaba, Gloria Pérez, Teresa Llorente y M^a Jesús Blasco

Period: 01/01/2021-31/12/2023

Amount financed: 42.955 €

Cucharadas de Evidencia.

Financing entity: Fundación Española para la Ciencia y la Tecnología (FECYT) and Instituto Agroalimentario de Aragón (IA2) FCT-19-14681.

Principal investigator: Luis A. Moreno Aznar

Collaborating researchers: Iris Iglesia Altaba, M^a del Pilar de Miguel Etayo, Azahara Iris Rupérez Cano

Period: 01/07/2020-30/06/2021

Amount financed: 22,520 €

Redefiniendo el espectro Cornelia de Lange mediante la integración de nuevos

datos clínicos, genómicos, transcriptómicos y metabolómicos.

Financing entity: Instituto de Salud Carlos III PI19/01860

Principal Investigator: Feliciano Ramos Fuentes and Juan Pie Juste

Period: 01/01/2020 - 31/12/2022

Amount financed: 100.000 €

Síndrome de Cornelia de Lange: Desarrollo de paneles diagnósticos, patrones de expresión génica y evaluación de ejes endocrinos en pacientes afectados

Financing entity: Instituto de Salud Carlos III PI15/00707

Principal Investigator: Feliciano Ramos Fuentes and Juan Pie Juste

Period: 01/01/2016 - 31/12/2018

Amount financed: 120.395 €

RICORS Code RD21/0012/0012

PATENTS

(Granted and licensed patents in the last five years. Include also licensed know-how)

Licensed know-how:

DIVE (Device for an integral visual examination). License agreement between University of Zaragoza/Instituto de Investigación Sanitaria de Aragón (IISA)/Instituto Aragonés de Ciencias de la Salud (IACS) and DIVE Medical signed in September 2020.

Inventors: Victoria Pueyo and Teresa Pérez.

Nutrisen, Cálculo de nutrición parenteral y enteral para Servicios/Unidades de Neonatología.

TERRITORIAL REGISTRATION OF INTELLECTUAL PROPERTY OF GALICIA

REGISTRY ENTRY NUMBER 03/2020/40

Inventors: María de la Luz Couce Pico, Marcos Miguel Sáenz de Pipaón, María Gormaz Moreno, Gerardo Rodríguez Martínez, Marcos Linés Palazón, José Uberos Fernández, Óscar González Iglesias, Javier Osa Pérez, Santiago Fernández Sanchez, María Iglesias Martínez-Almeida, José Javier Iglesias Seoane,

21% to the Servizo Galego de Saúde, 17% to the Foundation for Biomedical Research of the La Paz University Hospital, another 17% to the Foundation for Research of the La Fe University and Polytechnic Hospital of the Valencian Community, 7.55% to the University of Zaragoza, 5.45% to the Aragón Health Research Institute Foundation, 12% to the Fundació Institut de Recerca de l'Hospital Universitari Vall d'Hebrón, 5% to the Andalusian Health Service, another 5 % to the University of Granada, and 10% to the company Pamdor Prolín, SL

Application number: C-442-2018

Effective date: 04/29/2020

Submission date: 12/19/2018

RICORS Call: Scientific and Technological Profile of the Participating Groups

Aim: describe the major contributions of the different participating groups in terms of papers, funding and patents.

! The structure of this template has been designed to ensure that the important aspects of your scientific and technological profile are presented in a way that will enable experts to make an effective assessment against the evaluation criteria.

! The font type and size recommended is Arial 9 points. Please respect the page limits and do not take it as a target either! It is in your interest to keep your text as concise as possible, since experts rarely view unnecessarily long documents in a positive light.

Section 1. List of Participating Groups. PI participants.

! Remember

PI's Family Name | PI's First name(s) | PI's Work Institution | Position *

*Position: officer, statutory staff; contracted; fellow

Section 2. Papers

Indicate: Authors; Title; Journal; PMID; Type of paper; Publication year; Impact Factor (JCR Thomson Reuters) and times cited.

Section 3. International and National Research Projects

! Do not include regional or privately funded projects.

Indicate: Project ID; Name of the PI; Title; Funding Agency; Amount of Funding & Duration.

Section 4. Patents

Indicate: Applicant; Title; Inventors; Patent Office; Date of application number; Date of grant and Entity-Organization Exploiting the Patent.