

SCIENTIFIC AND TECHNOLOGICAL PROFILE OF THE GROUP

		RICORS Code RD21/0012/0001
Thematic area:	Atención Primaria, cronicidad, y promoción de la salud.	
Programme name:	PRIMARY CARE INTERVENTIONS TO PREVENT MATERNAL AND CHILD CHRONIC DISEASES OF PERINATAL AND DEVELOPMENTAL ORIGIN	
Group leader:	ELISA LLURBA OLIVÉ	
Applicant Institution:	IIB-Sant Pau	
Working Institution:	Fundacio Puigvert	
PI Work Institution:	Fundacio Puigvert	

Participants

Researcher	Family Name (s)	First Name (s)	Work Institution	Position
1	Fernandez-Llama	Patricia	Fundacio Puigvert	Statutory staff
2	Brotons	Carles	EAP Sardenya	Statutory staff
3	Oliveras	Anna	Hospital del Mar	Statutory staff
4	de la Sierra	Alejandro	Mutua de Terrassa	Statutory staff
5	Ayasreh	Nadia	Fundacio Puigvert	Statutory staff
6				Select
7				Select
				Select

PUBLICATIONS

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

1. **A. Oliveras**, P. Armario, A. Clarà, L. Sans-Atxer, S. Vázquez, J. Pascual, **A. de la Sierra**. Spironolactone versus sympathetic renal denervation to treat true resistant hypertension: results from the DENERVHTA study - a randomized controlled trial. J Hypertens 34: 1863-1871, 2016
2. Sans L, Pascual J, Radosevic A, Quintian C, Ble M, Molina LI, Mojal S, Ballarin JA, Torra R, **Fernández-Llama P**. "Renal volume and cardiovascular risk assessment in normotensive autosomal dominant polycystic kidney disease patients" Medicine (Baltimore) 95(49):e5595, 2016.
3. **A. de la Sierra**, J. Pareja, P. Armario, A. Barrera, S. Yun, S. Vázquez, L. Sans, J. Pascual. **A. Oliveras**. Renal denervation vs. Spironolactone in resistant hypertension: effects on circadian patterns and blood pressure variability. Am J Hypertens 30: 37-41, 2017
4. **Fernández-Llama P**, Pareja J, Yun S, Vázquez S, **Oliveras A**, Armario P, Blanch P, Calero F, Sierra C, **de la Sierra A**. "Cuff-based Oscillometric Central and Brachial Blood Pressures Obtained through ABPM are Similarly Associated with Renal Organ Damage in Arterial Hypertension". Kidney Blood Press Res 42(6):1068-1077, 2017.
5. **de la Sierra A**, Pareja J, **Fernández-Llama P**, Armario P, Yun S, Acosta E, Calero F, Vázquez S, Blanch P, Sierra C, **Oliveras A**. "Twenty-four hour central blood pressure is not better associated with hypertensive target organ damage than twenty-four hour peripheral blood pressure". J Hypertens 35 (10):2000-2005, 2017.
6. Blanch P, Armario P, **Oliveras A**, **Fernández-Llama P**, Vázquez S, Pareja J, Álvarez E, Calero F, Sierra C, **de la Sierra A**. Association of Either Left Ventricular Hypertrophy or Diastolic Dysfunction With 24-Hour Central and Peripheral Blood Pressure. Am J Hypertens 31(12) 1293-1299, 2018.
7. **de la Sierra A**, Pareja J, Yun S, Acosta E, Aiello F, **Oliveras A**, Vazquez S, Armario P, Blanch P, Sierra C, Calero F, **Fernandez-Llama P**. Central blood pressure variability is increased in hypertensive patients with target organ damage. J Clin Hypertens 20(2):266-272, 2018.
8. Guillén-Gómez E, Bardají B, Ferrer S, **Brotóns C**, Knepper MA, Carrascal M, Abian J, Mas JM, Calero F, Ballarín JA, **Fernández-Llama P**. Urinary proteome analysis identified neprilysin and VCAM as proteins involved in diabetic nephropathy. J Diabetes Res Volume 2018.
9. **A. de la Sierra**, JR. Banegas, E. Vinyoles, J. Segura, M. Gorostidi, JJ. De la Cruz, LM. Ruilope. Prevalence of masked Hypertension in untreated and treated patients with office Blood Pressure below 130/80 mmHg. Circulation 137: 2651-2653, 2018.
10. Gaziano, J. Michael; **Brotóns, C**; Coppolecchia, Rosa; et al; Tognoni, Gianni. Use of aspirin to reduce risk of initial vascular events in patients at moderate risk of cardiovascular disease (ARRIVE): a randomised, double-blind, placebo-controlled trial The Lancet. 392-10152, pp.1036-1046, 2018.
11. **Ayasreh, N**; Bullich, G; Miquel, R; et al; Autosomal Dominant Tubulointerstitial Kidney Disease: Clinical Presentation of Patients With ADTKD-UMOD and ADTKD-MUC1 AMERICAN JOURNAL OF

KIDNEY DISEASES. 72, 2018.

12. MF Piepoli; AW Hoes; **C Brotons**; RFD Hobbs; U Corra. Task Force for the 2016 guidelines on cardiovascular disease prevention in clinical practice. Main messages for primary care from the 2016 European Guidelines on cardiovascular disease prevention in clinical practice. Eur J Gen Pract. 24-1, pp.51-56, 2018.

13. **Oliveras A**, Armario P, Sans- L, Clarà A, Vázquez S, Molina 14. L, Pareja J, de la Sierra A, Pascual J. Organ Damage in Patients with Uncontrolled Hypertension Randomized to Renal Denervation or Spironolactone. The DENERVHTA Study". J Clin Hypertens (Greenwich). 20:69-75, 2018.

14. **A. de la Sierra**, Armario P, **Oliveras A**, Banegas JR, Gorostidi M, Vinyoles E, de la Cruz JJ, Segura J, Ruilope LM. Antihypertensive drug use in resistant and non-resistant hypertension and in controlled and uncontrolled resistant hypertension". J Hypertens. 36:1563-1570, 2018.

15. Ruilope, L.M.; Fernandez-Labandera, C.; **Brotons, C.**; et al; VALIDATION OF THE SCORE (SYSTEMATIC CORONARY RISK EVALUATION) MODEL ADJUSTED TO ESTIMATE RISK OF FATAL AND NON-FATAL EVENTS IN A SOUTHERN EUROPEAN COUNTRY Journal of Hypertension. 37, pp. e279-e280, 2019.

16. **A. de la Sierra**, JR. Banegas, M. Bursztyn, G. Parati, G. Stergiou, A. Mateu, E. Vinyoles, J. Segura, M. Gorostidi, LM. Ruilope. Prognostic Relevance of Short-Term Blood Pressure Variability: The Spanish ABPM Registry. Hypertension 2020.

17. **Fernández-Llama, P**; **Ayasreh N**; Calero F. Hypertension in the elderly: What we need to know Hipertens Riesgo Vasc. 22, 2020

18. Piepoli, Massimo F.; Abreu, Ana; Albus, Christian; et al; (**C Brotons**) Tiberi, Monica. Update on cardiovascular prevention in clinical practice: A position paper of the European Association of Preventive Cardiology of the European Society of Cardiology* European Journal of Preventive Cardiology. SAGE Publications Inc.. 27-2, pp.181-205, 2020.

19. Improvement of Arterial Stiffness One Month after Bariatric Surgery and Potential Mechanisms". **Oliveras A**, Galceran I, Goday A, Vázquez S, Sans L, Riera M, Benaiges D, Pascual J. J Clin Med. 10 (4):691, 2021.

20. Capitulo libro. **De la Sierra A y Fernández-Llama P**. "Hipertensión arterial" XIX Edición del libro de Medicina Interna Farreras-Rozman editado por Elseiher. Capitulo 57, pag 516-528, 2020.

RICORS Code RD21/0012/0001

INTERNATIONAL AND NATIONAL RESEARCH PROJECTS

(Funded in the last five years)

Evaluación de la presión arterial central de 24 horas, sus ritmos circadianos y su relación con el daño orgánico. FIS/ISCIII (PI14/00592). Proyecto colaborativo: Fundació Puigvert (Barcelona), Mutua de Terrasa, Hospital Clinic (Barcelona), Hospital del Mar (Barcelona) y Hospital Moises Broggi, 2015-2017. **Investigador principal: A de la Sierra. Investigador colaborador: P Fernandez-Llama**

Desarrollo de un prototipo de sistema multiplex por citometría de flujo para un novedoso diagnóstico etiopatogénico multiparamétrico del daño renal agudo. Proyecto de desarrollo tecnológico en salud. Instituto de Salud Carlos III (PI 15/00166). Proyecto colaborativo: Instituto de Investigación Biomédica de Salamanca (IBSAL), Fundació Puigvert (Barcelona), Grupo de Biología Molecular, Proteómica, Nanotecnología e Inmunotecnología del Centro de Investigación del Cáncer (CiC) y Hospital Universitario de Valladolid, 2016-2018. **Investigador colaborador: P Fernandez-Llama**

Nefropatías familiares no filiadas: genes implicados en su causa y su variabilidad fenotípica. FIS/ISCIII (PI15/01824) 2015-2017. **Investigador colaborador: N Ayasreh**

Performance of the SCORE (Systematic COronary Risk Evaluation) model for European low risk countries and the new US American College of Cardiology (ACC)/American Heart Association (AHA) Risk Equation in a Spanish Cohort: the VALID study Fundación La Marató de TV3. 2016- 2019. **Investigador principal: C. Brotons.**

Validación externa de una ecuación de riesgo cardiovascular de por vida Ministerio de Sanidad y Consumo. 2017. **Investigador principal: C. Brotons.**

Evolución de la variabilidad de la presión arterial posicional y temporal y su relación con el daño orgánico en ancianos hipertensos” Ayuda para investigación. Sociedad Española de Nefrología. 2018-2020. **Investigador principal: P Fernandez-Llama. Investigadores colaboradores: a de la Sierra, A Oliveras**

Valor predictivo de la hemodinámica central de 24 horas en pacientes de edad avanzada hospitalizados por causa de descompensación de patología crónica. Entidad financiadora: Fondo de Investigaciones Sanitarias en el 2019-2021. **Investigador principal: A de la Sierra**

Actualización y validación del Riesgo cardiovascular de por vida en España: IBERLIFERISK2 Sociedad Española de Arteriosclerosis. (Centro de Atención Primaria Sardenya). 2019. **Investigador principal: C. Brotons.**

Adherencia Terapéutica en Hipertensión Arterial No controlada: detección selectiva y eficacia y efectividad de un programa para mejorar el cumplimiento (ATHAN)» FIS/ISCIII - FIS PI16/01356. 2017-2019. **Investigador principal: A. Oliveras**

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PATENTS

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

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.