

Date of the CVA

30/05/2019

## Section A. PERSONAL DATA

Name and Surname	Victor Sánchez Margalet		
DNI	28691159Q	Age	55
Researcher's identification number	Researcher ID		
	Scopus Author ID		
	ORCID	0000-0001-8638-8680	

### A.1. Current professional situation

Institution	Hospital Universitario Virgen Macarena/Universidad de Sevilla		
Dpt. / Centre			
Address	Hospital Universitario Virgen Macarena, Av. Dr. Fedriani 3, 41073, Sevilla		
Phone	(34) 638736833	Email	<a href="mailto:margalet@us.es">margalet@us.es</a>
Professional category	Facultativo Especialista de Área/ Catedrático Vinculado	Start date	2008
UNESCO spec. code			
Keywords			

### A.2. Academic education (Degrees, institutions, dates)

Bachelor/Master/PhD	University	Year
DOCTOR EN MEDICINA		

### A.3. General quality indicators of scientific production

Scientific production with continuous international publications for 30 years, 27 as postdoctoral  
Financial support from National agencies (ISCIII, Mineco, AEI). Overlapped support for 25 years

Total number of citations: 7269, average number of citations 30. H Index 42 (Google Scholar)  
20 doctoral thesis supervised

## Section B. SUMMARY OF THE CURRICULUM

Graduated in Medicine (1988), Doctorate in University of Seville (1991), Clinical Biochemistry specialist (1993), Postdoctoral fellow UCSF 1993-94, Scientific visitor USC (Los Angeles, CA), 3 months 1995, 3 months 1996. Research Fellow National Health System (1st promotion Miguel Servet Program).

Clinical Biochemist staff since 1995. Full Professor Biochemistry and Molecular Biology linked to the Virgen Macarena University Hospital since 2008

President of the Institutional Review Board since 2014.

**5 periods of 6 years of research (sexenios) since 2017.** 150 research articles, h index 42, i10 index 116, 16 book chapters

21 research grants as Principal Investigator, 9 as collaborator, responsible of 1 Rio Hortega action, and 1 Miguel Servet program

Research leader of the group PAIDI CTS-151 (Junta de Andalucía)

20 doctoral thesis supervised.

## Section C. MOST RELEVANT MERITS (ordered by typology)

### C.1. Publications

**1 Scientific paper.** 2019. Leptin stimulates DMP-1 and DSPP expression in human dental pulp via MAPK 1/3 and PI3K signaling pathways. Archives of Oral Biology. 98, pp.126-131.

- 2 **Scientific paper.** 2018. Diabetes mellitus and cardiovascular risk: Update of the recommendations of the Diabetes and Cardiovascular Disease working group of the Spanish Diabetes Society (SED, 2018). *Clinica e Investigación en Arteriosclerosis*. 30-3, pp.137-153.
- 3 **Scientific paper.** 2018. Fasting Glycemia as Screening Tool to Rule-Out Gestational Diabetes in Low-Risk Population. *Clinical Laboratory*. 64-4, pp.461-465.
- 4 **Scientific paper.** Malena Schanton; et al. 2018. Involvement of leptin in the molecular physiology of the placenta. *Reproduction*. 155, pp.1-12.
- 5 **Scientific paper.** Antonio Pérez Pérez; et al. 2018. Leptin action in normal and pathological pregnancies. *Journal Of Cellular and Molecular Medicine*. doi: 10.1111/jcmm.13369. 22-2, pp.716-727.
- 6 **Scientific paper.** 2018. Leptin protects placental cells from apoptosis induced by acidic stress. *Cell and Tissue Research*. doi: 10.1007/s00441-.
- 7 **Scientific paper.** Teresa Vilariño García; et al. 2018. Leptin upregulates aquaporin 9 expression in human placenta in vitro. *Gynecological Endocrinology*. 34-2, pp.175-177.
- 8 **Scientific paper.** 2018. New horizons in breast cancer: the promise of immunotherapy. *Clinical and Translational Oncology*. doi: 10.1007/s12094-.
- 9 **Scientific paper.** Malena Schanton; et al. 2018. Placental leptin expression is mediated by NFκB signaling. *Placenta*. doi: 10.1016/j.placenta.2017.07.005. 62, pp.79.
- 10 **Scientific paper.** Julieta Maymó; et al. 2018. Proliferation and survival of human amniotic epithelial cells during their hepatic differentiation. *PLoS One*. 13-1, pp.e0191489.
- 11 **Scientific paper.** 2017. Breast Cancer Immunology and Immunotherapy: Current Status and Future Perspectives. *Int Rev Cel Mol Bio*. doi: 10.1016/bs.ircmb.2016.09.008. 331:, pp.1-53.
- 12 **Scientific paper.** Patricia Fernández Riejos; et al. 2017. Comparison of Citrate Buffer with Sodium Fluoride as Additives in Determining Glycemia. *Clinical Laboratory*. 63-11, pp.1939-1944.
- 13 **Scientific paper.** 2017. Role of leptin as a link between metabolism and the immune system. *Cytokine Growth Factor Rev*. doi: 10.1016/j.cytogfr.2017.03.001. S1359-6101(16)30163--S1359-6101(16)30163-, pp.S1359-6101(16)30163-0.-S1359-6101(16)30163-0..
- 14 **Scientific paper.** Malena Schanton; et al. (8/). 2017. Sp1 transcription factor is a modulator of estradiol leptin induction in placental cells. *Placenta*. 57, pp.152-162.
- 15 **Scientific paper.** Vilariño-García T; et al. 2016. Increased Expression of Aquaporin 9 in Trophoblast From Gestational Diabetic Patients *Hormone and Metabolic Research*. Epubmed.
- 16 **Scientific paper.** Pérez-Pérez A; et al. 2016. Insulin and Leptin Signaling in Placenta from Gestational Diabetic Subjects. *Hormone and Metabolic Research*. 48-1, pp.62-69.
- 17 **Scientific paper.** Antonio Pérez-Pérez; et al. 2016. Leptin reduces apoptosis triggered by high temperature in human placental villous explants: The role of the p53 pathway *Placenta*. doi: 10.1016/j.placenta.2016.03.009. 42, pp.106-113.
- 18 **Scientific paper.** 2016. Sam68 Mediates the Activation of Insulin and Leptin Signalling in Breast Cancer Cells. *PLoS One*. 11(7)-:e0158218., pp.:e0158218.-:e0158218..
- 19 **Scientific paper.** 2016. Sam68 mediates the activation of insulin and leptin signalling in breast cancer cells *PLoS One*. doi: 10.1371/journal.pone.0158218.
- 20 **Scientific paper.** 2016. [Diabetes mellitus and cardiovascular risk: Working group recommendations of Diabetes and Cardiovascular Disease of the Spanish Society of Diabetes (SED, 2015)]. *Atención Primaria*. 48-5, pp.325-336.
- 21 **Scientific paper.** Sánchez-Mora C; et al. 2015. Evaluation of a HbA1c point-of-care analyzer. *Clin Biochem*. doi: 10.1016/j.clinbiochem.2015.03.016.. 48-10-11, pp.686-689.
- 22 **Scientific paper.** Martín-González J; et al. 2015. Expression and immunohistochemical localization of leptin in human periapical granulomas. *Med Oral Patol Oral Cir Bucal*. 20-3, pp.e334-9.
- 23 **Scientific paper.** Martín-González J; et al. 2015. Expression and immunohistochemical localization of leptin receptor in human periapical granuloma. *Int Endod J*. doi: 10.1111/iej.12356. 48-6, pp.611-618.
- 24 **Scientific paper.** Vilariño-García T; et al. 2015. Increased Expression of Aquaporin 9 in Trophoblast From Gestational Diabetic Patients *Hormone and Metabolic Research*. Epub.

- 25 **Scientific paper.** Barrientos G; et al. 2015. Leptin promotes HLA-G expression on placental trophoblasts via the MEK/Erk and PI3K signaling pathways. *Placenta*. 36-4, pp.419-426.
- 26 **Scientific paper.** Martín-González J; et al. 2015. Leptin promotes dentin sialophosphoprotein expression in human dental pulp. *Journal of Endodontics*. doi: 10.1016/j.joen.2014.11.026. 41-4, pp.487-492.
- 27 **Scientific paper.** Toro AR; et al. 2015. Mechanisms involved in p53 downregulation by leptin in trophoblastic cells. *Placenta*. doi: 10.1016/j.placenta.2015.08.017. 36-11, pp.1266-1275.
- 28 **Scientific paper.** Pérez-Pérez A; et al. 2015. Role of leptin in female reproduction. *Clinical Chemistry and Laboratory Medicine*. doi: 10.1515/cclm-2014-0387. 53-1, pp.15-28.
- 29 **Scientific paper.** Toro AR; et al. 2014. Leptin is an anti-apoptotic effector in placental cells involving p53 downregulation. *PLOS One*. doi: 10.1371/journal.pone.0099187. 9-6, pp.:e99187.
- 30 **Scientific paper.** Sánchez-Jiménez F; Sánchez-Margalet V. 2013. Role of Sam68 in post-transcriptional gene regulation. *International Journal of Molecular Sciences*. 14-12, pp.23402-23419.
- 31 **Scientific paper.** Pérez-pérez, A; et al. 2013. Activated translation signaling in placenta from pregnant women with gestational diabetes mellitus: possible role of leptin Hormone and metabolic research. 45-6, pp.436-442.
- 32 **Scientific paper.** Perna V; et al. 2013. Effective treatment of pulmonary tuberculosis restores plasma leptin levels. *European Network of Cytokines*. 24-4, pp.157-161.
- 33 **Scientific paper.** Pérez-pérez, A; et al. 2013. Insulin enhances leptin expression in human trophoblastic cells *Biology of reproduction*.
- 34 **Scientific paper.** Martín-González J; et al. 2013. Leptin expression in healthy and inflamed human dental pulp. *International Endodontic Journal*. 46-5, pp.442-448.
- 35 **Scientific paper.** Martín-González J; et al. 2013. Leptin receptor is up-regulated in inflamed human dental pulp. *Journal of Endodontics*. 39-12, pp.1567-1571.
- 36 **Scientific paper.** Luis de la Cruz-Merino; et al. 2013. New insights into the role of the immune microenvironment in breast carcinoma *Clinica and Developmental Immunology*. 2013;2013:785317.
- 37 **Scientific paper.** Gambino, Yésica C.; et al. 2012. Elsevier Trophoblast Research Award Lecture: Molecular mechanisms underlying estrogen functions in trophoblastic cells - Focus on leptin expression. *PLACENTA*. 33-Supl, pp.S63-S70.
- 38 **Scientific paper.** Martín-González, Jenifer; et al. 2012. Leptin expression in healthy and inflamed human *International endodontic journal (Print)*. Universidad de Sevilla. 45-12, pp.1-5.
- 39 **Scientific paper.** Gambino, Yésica P.; et al. 2012. Regulation of leptin expression by 17beta-estradiol in human placental cells involves membrane associated estrogen receptor alpha. *Biochimica et Biophysica Acta- Molecular Cell Research*. 1823-4, pp.900-910.
- 40 **Scientific paper.** Quintana-portillo, Rocío; et al. 2012. Sam68 interacts with IRS1. *Biochemical Pharmacology*. 83-1, pp.78-87.
- 41 **Scientific paper.** Maymó, JI; et al. 2012. The Alternative Epac/cAMP Pathway and the MAPK Pathway Mediate hCG Induction of Leptin in Placental Cells. *PLoS One*. 7-10, pp.e46216.
- 42 **Scientific paper.** Sánchez-mora, Catalina; et al. 2011. Evaluation of two HbA1c point-of-care analyzers. *Clinical Chemistry and Laboratory Medicine*. 49-4, pp.653-657.
- 43 **Scientific paper.** SÁNCHEZ-JIMÉNEZ, FLORA; et al. 2011. Leptin receptor activation increases Sam68 tyrosine phosphorylation and expression in human trophoblastic cells. *Molecular and Cellular Endocrinology*. 332-1-2, pp.221-227.
- 44 **Scientific paper.** Maymó, Julieta L.; et al. 2011. Review: Leptin gene expression in the placenta--regulation of a key hormone in trophoblast proliferation and survival. *PLACENTA*. 32-Supl. 2, pp.S146-S153.
- 45 **Scientific paper.** SÁNCHEZ-JIMÉNEZ, FLORA; et al. 2011. Sam68 mediates leptin-stimulated growth by modulating leptin receptor signaling in human trophoblastic JEG-3 cells. *Human reproduction (Oxford. Print)*. 26-9, pp.2306-2315.

## C.2. Participation in R&D and Innovation projects

- 1 Papel de miARNs en la expresión de genes alterada en la granulosa de mujeres con ovario poliquístico Instituto de Salud Carlos III. Victor Sanchez Margalet. (Hospital Universitario Virgen Macarena). 01/01/2016-31/12/2018. 56.265 €.
- 2 Análisis del perfil de respuesta inmune en sangre periférica inducido por tratamiento sistémico en el carcinoma de mama avanzado Consejería de Salud de la Junta de Andalucía. Luis de la Cruz Merino. (Hospital Universitario Virgen Macarena). 01/08/2015-31/07/2017. 30.000 €.
- 3 Papel de Sam68, una proteína de unión a ARN, en la señal de la leptina y la insulina en células de la granulosa. Implicación en el síndrome de ovario poliquístico ISCIII. VICTOR SÁNCHEZ MARGALET. From 01/11/2012.
- 4 Investigación sobre nuevos marcadores de valoración embrionaria MINISTERIO DE CIENCIA E INNOVACIÓN. VICTOR SÁNCHEZ MARGALET. From 01/02/2012.
- 5 Niveles de leptina y cambios en la morfología del preembrión antes de la implantación. Instituto Valenciano de Infertilidad/ Fundación Universidad de Sevilla. VICTOR SÁNCHEZ MARGALET. From 01/02/2011. 12.000 €.
- 6 Estudio de la posible implicación de Sam68 y el receptor de insulina en el cáncer de mama no familiar Real Maestranza Sevilla. VICTOR SÁNCHEZ MARGALET. From 01/01/2010. 48.000 €.
- 7 PAPEL DE LA LEPTINA EN LA PLACENTA NORMAL Y EN LA DIABETES GESTACIONAL FONDO DE INVESTIGACIÓN SANITARIA (FIS), MINISTERIO DE CIENCIA E INNOVACIÓN. VICTOR SÁNCHEZ MARGALET. From 01/01/2010. 74.415 €.
- 8 ACCIÓN CONTRARREGULADORA DE LA INSULINA DEL PÉPTIDO DERIVADO DE CROMOGRANINA A, PANCREASTATINA, Y SUS VARIANTES NATURALES SOBRE ADIPOCITOS HUMANOS. EFECTO SOBRE LA DIFERENCIACIÓN DEL ADIPOCITO. PROYECTOS DE EXCELENCIA, JUNTA DE ANDALUCÍA. From 01/01/2009. 65.400 €.
- 9 Estudio de la dimerización de sam68 y su regulación por el receptor de insulina mediante la técnica de BRET Ministerio de Ciencia y Tecnología. CARMEN GONZÁLEZ YANES. From 01/01/2009. 75.000 €.
- 10 Estudio de la localización celular del complejo de señalización IR/Sam68 mediante la técnica de BRET Investigador colaborador CONSEJERÍA DE SALUD DE LA JUNTA DE ANDALUCÍA. CARMEN GONZÁLEZ YANES. From 01/01/2009. 37.000 €.
- 11 ACCIÓN DE LA LEPTINA EN CELULAS PLACENTARIAS. MECANISMOS DE TRANSDUCCIÓN DE SEÑALES INVOLUCRADOS OTROS PROGRAMAS DE LA AGENCIA ESPAÑOLA DE COOPERACIÓN INTERNACIONAL (AECI) , MINISTERIO DE ASUNTOS EXTERIORES Y COOPERACIÓN. VICTOR SÁNCHEZ MARGALET. From 01/01/2007. 5.000 €.
- 12 PAPEL DE LA PROTEÍNA SAM68 EN LA PROLIFERACIÓN DE PREADIPOCITOS Y LA DIFERENCIACIÓN DEL ADIPOCITO OTROS PROGRAMAS, JUNTA DE ANDALUCÍA. CARMEN GONZÁLEZ YANES. From 01/01/2007. 49.000 €.
- 13 ACCIÓN TRÓFICA DE LA LEPTINA EN CÉLULAS DE, PLACENTA HUMANAS Y VÍAS DE SEÑALIZACIÓN CELULAR OTROS PROGRAMAS, JUNTA DE ANDALUCÍA. JOSÉ LUIS DUEÑAS DÍEZ. From 01/12/2006. 12.750 €.
- 14 LA HEMOGLOBINA GLICOSILADA EN EL DIAGNÓSTICO DE LA INTOLERANCIA A LA GLUCOSA (PREDIABETES) Y EL RIESGO CARDIOVASCULAR PROYECTOS DE EXCELENCIA, JUNTA DE ANDALUCÍA. RAIMUNDO GOBERNA ORTÍZ. From 01/03/2006. 137.199,92 €.
- 15 PAPEL DE SAM68 EN LA SEÑALIZACIÓN Y LA ACCIÓN DE LA INSULINA FONDO DE INVESTIGACIÓN SANITARIA (FIS), MINISTERIO DE CIENCIA E INNOVACIÓN. VICTOR SÁNCHEZ MARGALET. From 01/01/2006. 88.060 €.

### C.3. Participation in R&D and Innovation contracts

PAPEL DE LA LEPTINA EN LA PLACENTA NORMAL Y EN PATOLOGÍA DEL EMBARAZO  
VICTOR SÁNCHEZ MARGALET. 01/02/2008-28/02/2011. 21.600 €.

### C.4. Patents