Fecha del CVA	14/02/2025

Parte A. DATOS PERSONALES

Nombre	Luis Andres		
Apellidos	Gracia Marco		
Sexo	Hombre	Fecha de Nacimiento	
DNI/NIE/Pasaporte			
URL Web			
Dirección Email			
Open Researcher and Contributor ID (ORCID)	0000-0002-4020-0256		

A.1. Situación profesional actual

Puesto	Vicedecano de Prácticas y Empleabilidad		
Fecha inicio	2023		
Organismo / Institución	Universidad de Granada		
Departamento / Centro	Educación Física y Deportiva / Facultad de Ciencias de la Actividad Física y del Deporte		
País		Teléfono	
Palabras clave	Medicina clínica y epidemiología; Salud; Educación física y deporte		

A.3. Formación académica

Grado/Master/Tesis	Universidad / País	Año
Medicina de la Educacion Fisica y el Deporte / PhD in Sports Medicine	Universidad de Zaragoza / España	2011
Licenciado en Ciencias de la Actividad Física y del Deporte Itinerario Actividad Física, Salud y Recreación - BSc in Sport and Health Sciences	Universitat de Lleida / España	2006
Maestro: Especialidad de Educación Física / BSc in Physical Education	Universidad de Zaragoza / España	2004

Parte B. RESUMEN DEL CV

Back in 2007 I joined the GENUD Research Group at the Department of Physiatry & Nursery (Univ. of Zaragoza) under the supervision of Prof. Luis A. Moreno. Since then, my main research focus has been understanding how to maximise bone accrual in order to reduce the risk of suffering bone diseases later in life. During my time at this University, I participated in the management and development of 13 projects, 5 of them funded in international calls (FP6, FP7) and funded with >20 million EUR.

I completed my European PhD in 2011 investigating on the cross-sectional associations between physical activity, fitness and soft tissues with bone mass and its metabolism in adolescents. My Thesis obtained the maximum qualification, and the Special Award to the best Doctoral Theses from the University. During this time, there were collaborations with several European Institutions, such as the internationally renowned Karolinska Institutet (Sweeden) where I had the opportunity to perform a PhD research stay in 2011 under the supervision of Prof. Michael Sjöstrom and funded by the Spanish Ministry of Education, Social Politics and Sport.

From 2012 to 2017, I worked as Lecturer / Senior Lecturer at the prestigious University of Exeter (UK). I was Associate Director of the “Children’s Health and Exercise Research Centre (CHERC)”, led by Prof. Craig A. Williams and Prof. Neil Armstrong. I obtained several grants (as PI), awards and recognitions, special mention to the PRO-BONE study, funded within the FP7 and Marie Skłodowska-Curie. My research as PI focused on the longitudinal changes on

bone and geometry outcomes in young athletes (reg: ISRCTN17982776) and the PRO-BONE study won the British Journal of Sports Medicine PhD Academy Awards 2018.

In 2017, I got a highly competitive grant from the University of Granada (Spain) and the only one within the Health Sciences area, the "Talent Identification Program-UGR Fellows". This grant allowed me to move back to Spain to work with Prof. Jonatan R. Ruiz and Prof. Francisco B. Ortega within PROFITH research group (https://profith.ugr.es/). In 2019, I got the highly competitive grant+fellowship from La Caixa Foundation, to run the iBoneFIT study (reg: ISRCTN61195625) and launch an exciting research line in our research group on exercise oncology and bone. In 2021, I got two highly competitive grants to support the iBoneFIT study from the Andalusian regional funds and Ministry of Science and Innovation.

In 2022 I obtained the i3 certification "Incentive Program for the Incorporation and Intensification of Research Activity (I3)", the highest distinction in Spain regarding research quality.

Overall, I have obtained more than 800,000€ as Principal Investigator. I lead my own team to run this research line. Collectively, they obtained fellowships in the exercise oncology theme, including: 5 yr postdoctoral contract "Ramón y Cajal" funded by the Spanish Ministry of Science, Innovation and Universities (RYC2022-038011-I); 3 yr postdoctoral contract "María Zambrano" funded by the Ministry of Universities and European Union–NextGenerationEU); 2 yr postdoctoral contract "Margarita Salas" (call: 2022-POST-21124, Margarita Salas) and a 4 yr predoctoral contract FPU funded by the Ministry of Education, Culture and Sport (FPU20/05530). All my former PhD students (x3) have permanent positions within Academia (+2 PhD students will defend the Thesis in 2024).

I have published more than 100 articles in JCR journals in relevant positions (70% in quartile 1 journals and 90% in quartiles 1 or 2), with special mention to those in the "Endocrinology & Metabolism" and "Sport Sciences" areas (h-index = 35, i10-index = 80 and 3870 citations, more than 10 book chapters, with special mention to those from international Editorials such as Springer (New York), Routledge (London) and Lavoisisers (Paris). Our findings are also presented to the local level and the society via social media, scientific events such as the European Researchers Night or Café con Ciencia (coffee with science).

I am member of the UCEENS, Scientific Unit of Excellence on Exercise, Nutrition and Health (https://uceens.ugr.es/en/), CIBEROBN, Physiopathology of Obesity and Nutrition Networking Biomedical Research Centre (https://www.ciberobn.es/grupos/grupo-de-investigacion?id=31005) and the IBS.GRANADA, Biosanitary Research Institute (https://www.ibsgranada.es/en/). Finally, I am registered as a project reviewer in the Spanish Research Agency, Estonian Research Council and I have taken Editorial roles as Associate Editor, member of Editorial Board and Guest Editor (x3) in different JCR journals.

Parte C. LISTADO DE APORTACIONES MÁS RELEVANTES

C.1. Publicaciones más importantes en libros y revistas con "peer review" y conferencias

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citaciones

1 **Artículo científico**. Gil-Cosano JJ; Ubago-Guisado, E; Migueles JH; et al; (9/9) GRACIA-MARCO, L (AC). 2024. A 20-week exercise program improved total body and legs bone mineral density in children with overweight or obesity: The ActiveBrains randomized controlled trial. Journal of Science and Medicine in Sport. ELSEVIER SCI LTD. 27-1, pp.3-9. ISSN 1440-2440. https://doi.org/10.1016/j.jsams.2023.10.005

2 **Artículo científico**. Andres Marmol-Perez; Esther Ubago-Guisado; Jose J Gil-Cosano; et al; (10/10) Luis Gracia-Marco. 2024. Co-morbid sarcopenia and low bone mineral density in young paediatric cancer survivors.Journal of Cachexia, Sarcopenia and Muscle. 15-5, pp.2156-2163. ISSN 2190-5991. https://doi.org/10.1002/jcsm.13563

3 **Artículo científico**. Jose J Gil-Cosano; Abel Plaza-Florido; (3/10) Luis Gracia-Marco; et al; Francisco B Ortega. 2024. Effects of combined aerobic and resistance training on the inflammatory profile of children with overweight/obesity: A randomized clinical trial.Pediatric Obesity. ahead of print. ISSN 2047-6310.

4 **Artículo científico**. Marmol-Perez A; Migueles JH; Ubago-Guisado, E; et al; (11/11) GRACIA-MARCO L. 2024. Every move counts to improve bone health at clinical sites in young pediatric cancer survivors: the iBoneFIT project (in press). Medicine and Science in Sports and Exercise. LIPPINCOTT WILLIAMS & WILKINS. ISSN 0195-9131. https://doi.org/10.1249/MSS.0000000000003397

5 **Artículo científico**. Marmol-Perez A; Gil-Cosano, JJ; Ubago-Guisado, E; et al; (9/9) GRACIA-MARCO, L. 2024. Muscle strength deficits are associated with low bone mineral density in young pediatric cancer survivors: The iBoneFIT project. Journal of Sport and Health Science. SHANGHAI UNIV SPORT. 13-3, pp.419-427. ISSN 2095-2546. https://doi.org/10.1016/j.jshs.2024.01.003

6 **Artículo científico**. Andres Marmol-Perez; Esther Ubago-Guisado; Francisco J Llorente-Cantarero; et al; (9/9) Luis Gracia-Marco. 2024. Paediatric Cancer Survivors: Lean Mass Attenuates Negative Impact of Watching Television on Bone.Pediatric Research. Online ahead print. ISSN 0031-3998. https://doi.org/10.1038/s41390-024-03714-2

7 **Artículo científico**. Andrea Rodriguez-Solana; (2/8) Luis Gracia-Marco (AC); Cristina Cadenas-Sanchez; Andrés Redondo-Téba; Andres Marmol-Perez; Jose Juan Gil-Cosano; Francisco J. Llorente-Cantarero; Esther Ubago-Guisado. 2024. The effects of physical activity interventions on self-esteem during and after cancer treatment: a systematic review and meta-analysis.Scientific Reports. NATURE PUBLISHING GROUP. 14-1, pp.26849. ISSN 2045-2322. https://doi.org/10.1038/s41598-024-74888-2

8 **Artículo científico**. Vicente Martínez-Vizcaíno; Iván Cavero-Redondo; Sara Reina-Gutiérrez; (4/8) Luis Gracia-Marco; José J. Gil-Cosano; Bruno Bizzozero-Peroni; Fernando Rodriguez-Artalejo; Esther Ubago-Guisado. 2023. Comparative effect of different types of exercise on health related quality of life for people during and after active cancer treatment: A systematic review and network meta-analysis.Journal of Sport and Health Science. 12-6, pp.726-738. ISSN 2095-2546. https://doi.org/10.1016/J.JSHS.2023.01.002

9 **Artículo científico**. Rodriguez-Solana, A; (2/8) GRACIA-MARCO, L (AC); Llorente-Cantarero, FJ; Cadenas-Sanchez, C; Marmol-Perez, A; Gil-Cosano, JJ; Moliner-Urdiales, D; Ubago-Guisado, E. 2023. Is higher physical fitness associated with better psychological health in young paediatric cancer survivors?. Scandinavian Journal of Medicine and Science in Sports. WILEY. 33-7, pp.1157-1167. ISSN 0905-7188. https://doi.org/10.1111/sms.14345

10 **Artículo científico**. (1/6) GRACIA-MARCO, L; García-Fontana, B; Ubago-Guisado, E; Vlachopoulos, D; García-Martín, A; Muñoz-Torres, M. 2020. Analysis of Bone Impairment by 3D DXA Hip Measures in Patients With Primary Hyperparathyroidism: A Pilot Study.Journal of Clinical Endocrinology and Metabolism. ENDOCRINE SOC. 105-1, pp.dgz060. ISSN 0021-972X. https://doi.org/10.1210/clinem/dgz060

11 **Artículo científico**. Vlachopoulos, D; Barker, AR; Ubago-Guisado, E; Williams, CA; (5/5) GRACIA MARCO, L. 2018. A 9-month jumping intervention to improve bone geometry in adolescent male athletes. Medicine and Science in Sports and Exercise. LIPPINCOTT WILLIAMS & WILKINS. 50-12, pp.2544-2554. ISSN 0195-9131. https://doi.org/10.1249/MSS.0000000000001719

12 **Artículo científico**. Barker, AR; (2/12) GRACIA-MARCO, L; Ruiz, JR; et al; Moreno, LA. 2018. Physical activity, sedentary time, TV viewing, physical fitness and cardiovascular disease risk in adolescents: The HELENA study. International Journal of Cardiology. ELSEVIER IRELAND LTD. 254, pp.303-309. ISSN 0167-5273. https://doi.org/10.1016/j.ijcard.2017.11.080

13 **Artículo científico**. Vlachopoulos, D; Ubago-Guisado, E; Barker, AR; et al; (10/10) GRACIA-MARCO, L. 2017. Determinants of Bone Outcomes in Adolescent Athletes at Baseline: The PRO-BONE Study.Medicine and Science in Sports and Exercise. LIPPINCOTT WILLIAMS & WILKINS. 49-7, pp.1389-1396. ISSN 0195-9131. https://doi.org/10.1249/MSS.0000000000001233

14 **Artículo científico**. Vlachopoulos, D; Barker, AR; Ubago-Guisado, E; Fatouros, IG; Knapp, KM; Williams, CA; (7/7) GRACIA MARCO, L. 2017. Longitudinal Adaptations of Bone Mass, Geometry, and Metabolism in Adolescent Male Athletes. Journal of Bone and Mineral Research. WILEY-BLACKWELL. 32-11, pp.2269-2277. ISSN 0884-0431. https://doi.org/10.1002/jbmr.3206

C.3. Proyectos o líneas de investigación

1 **Proyecto**. PID2023-150311OB-I00, 3D-BONE. Virtual exercise training and its impact on cortical and trabecular bone compartments in adult survivors of childhood cancer: a peripheral quantitative computed tomography (pQCT) study.. Ministerio de Ciencia e Innovación. Esther Ubago Guisado. (Universidad de Granada). 01/09/2024-31/12/2028. 125.000 €. Investigador principal.

2 **Proyecto**. PID2020-117302RA-I00 financiado por MCIN/ AEI /10.13039/501100011033, REBOTA-Ex trial: Regulating bone metabolism through exercise in paediatric cancer survivors.. Ministerio de Ciencia e Innovación. GRACIA-MARCO, L. (Universidad de Granada). 01/09/2021-31/08/2024. 169.400 €. Este mérito se presenta como parte del equipo investigador del proyecto (3 años). Se trata de un proyecto altamente competitivo y financiado en convocatoria pública por el "Ministerio de Ciencia e In...

3 **Proyecto**. LCF/BQ/PR19/11700007, iBoneFIT: Improving bone health in paediatric cancer survivors. La Caixa Foundation. Luis Gracia Marco. (Universidad de Granada). 01/05/2019-30/04/2022. 297.294 €. Investigador Principal del proyecto iBoneFIT (3 años). Se trata de un proyecto altamente competitivo y financiado en convocatoria internacional por "La Caixa Foundation". El estudio iBoneFIT tiene un...

4 **Proyecto**. Programa de Captación de Talento - UGR Fellows. Programa de Captación de Talento - UGR Fellows / Talent Identification Program - UGR Fellows. Gracia-Marco L. (Universidad de Granada). 01/09/2017-31/08/2020. 142.300 €. El Dr. Luis Gracia Marco logró un hito destacado al obtener el único contrato postdoctoral en el área de Ciencias de la Salud dentro del ambicioso "Programa de Captación de Talento - UGR Fellows". Es...

5 **Proyecto**. PCIG13-GA-2013 618496, PRO-BONE: Effect of a program of short bouts of exercise on bone health in adolescents involved in different sports. Comisión Europea. GRACIA-MARCO, L. (University of Exeter). 01/04/2014-31/03/2018. 100.000 €. Investigador principal. Investigador Principal del proyecto PRO-BONE (4 años). Se trata de un proyecto y no de una beca postdoctoral, altamente competitivo y financiado en convocatoria pública por la Comisión Europea en su ...