Fecha del CVA	06/10/2022

Parte A. DATOS PERSONALES

Nombre *	Luis Andres		
Apellidos *	Gracia Marco		
Sexo *	Hombre	Fecha de Nacimiento *	
DNI/NIE/Pasaporte *		Teléfono *	(0034) 958241000 - 20360
URL Web			
Dirección Email	graciamarco.luis@gmail.com		
Identificador científico	Open Researcher and Contributor ID (ORCID) *	0000-0002-4020-0256	
	Researcher ID	A-8845-2018	
	Scopus Author ID		

* Obligatorio

A.1. Situación profesional actual

Puesto	Profesor Titular de Universidad		
Fecha inicio	2022		
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
PhD in Sports Medicine / Doctor por la Universidad de Zaragoza dentro del Programa de Medicina de la Educacion Fisica y el Deporte	Universidad de Zaragoza / España	2011
BSc in Sport and Health Sciences / Licenciado en Ciencias de la Actividad Física y del Deporte Itinerario Actividad Física, Salud y Recreación	Universitat de Lleida / España	2006
BSc in Physical Education / Maestro: Especialidad de Educación Física	Universidad de Zaragoza / España	2004

A.4. Indicadores generales de calidad de la producción científica

Investigador con **certificado I3** (ref: I3/2020/441) otorgado por el Ministerio de Universidades (Diciembre 2021)

Captación de fondos como IP (más de 800.000€):

2021- Ministerio de Ciencia e Innovación. Convocatoria 2020 Proyectos de I+D+i(PID2020-117302RA-I00). 169.400€

2021- Dirección General de Investigación y Transferencia del Conocimiento de la Junta de Andalucía" (P20_00714). 108.081€

2019- La Caixa Foundation (ID 100010434). 297.000€

2017- Programa de Captación de Talento - UGR Fellows. >140.000€

2014- Marie Sklodowska-Curie, European Commission (7th Framework Programme) (FP7-PEOPLE-2013-CIG). 100.000€

Otras ayudas de investigación: Postgraduate Research Enhancement Fund, Engineering and Physical Sciences Research Council, Outward Mobility Academic Fellowship, Bone Research Society and Strategic Development Fund.

Participación en proyectos financiados con más de 20 million EUR.

Participación en el Desarrollo de **13 proyectos de investigación** (5 financiados en convocatorias internacionales FP6 o FP7).

96 artículos JCR, **60% en Q1** y 90% en Q1 o Q2

Índice H de 33 e índice i10 de 66 (3214 citas)

Publicaciones en **revistas de reconocido prestigio** en el área, como J Bone Miner Res (IF>6,3). Altmetric score de 308, 5% de 12.389.012 resultados (percentil 99).

Autor principal de **artículos con mucha relevancia**, como el publicado en Prog Cardiovasc Dis (IF = >8.1)

Primer autor de mis tres **artículos con más citas** (221, 134 y 128 citas).

10 capítulos de libro en Editoriales de prestigio, como Springer (Nueva York), Nova Biomedical (Nueva York) y Lavoisiers (París) **>70 comunicaciones** presentadas en eventos científicos internacionales y nacionales.

Parte B. RESUMEN LIBRE DEL CURRÍCULUM

In 2006, I started PhD studies in Sports Medicine at The University of Zaragoza and in 2007 I joined the GENUD Research Group at the Department of Physiatry & Nursery of the same institution, under the supervision of **Prof. Luis A. Moreno**. Since then, my **main research focus** has been understanding how to maximise bone accrual from early life stages, i.e. childhood and adolescence, in order to reduce the risk of suffering osteopenia and/or osteoporosis later in life. Nevertheless, I have also investigated on body composition, sedentary behaviour, diet and cardiovascular risk (see publications for more details). 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, publishing 5 JCR articles with a cumulative impact factor of **14.751.** My Thesis obtained the maximum qualification, **Sobresaliente Cum Laude**, 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 and then **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 my "Marie Skłodowska-Curie Career Integration Grant" to run the PRO-BONE study. 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**. In 2019, I got the **highly competitive grant+fellowships from La Caixa Foundation**, to run the iBoneFIT study (reg: ISRCTN61195625) and launch an exciting research line in our research group on exercise oncology. In 2021, I got **two highly competitive grants** to support the iBoneFIT study from **Junta de Andalucía (rejected) and Ministerio de Ciencia e Innovación**.

Parte C. MÉRITOS MÁS RELEVANTES

C.1. Publicaciones

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

1 **Artículo científico**. GRACIA-MARCO, L; González-Salvatierra, S; García-Martín, A; Ubago-Guisado, E; García-Fontana, B; Gil-Cosano, JJ; Muñoz-Torres, M. (1/7). 2021. 3D DXA Hip Differences in Patients with Acromegaly or Adult Growth Hormone Deficiency Journal of Clinical Medicine. MDPI AG. 10-4, pp.657. ISSN 2077-0383. https://doi.org/10.3390/jcm10040657

2 **Artículo científico**. González-Gil, EM; Santaliestra-Pasías, AM; Buck, C; et al; GRACIA-MARCO, L; Moreno, LA. (4/17). 2021. Improving cardiorespiratory fitness protects against inflammation in children: the IDEFICS study (In press) Pediatric Research. NATURE PUBLISHING GROUP. ISSN 0031-3998. https://doi.org/10.1038/s41390-021-01471

3 **Artículo científico**. González-Gil, EM; Santaliestra-Pasías, AM; Buck, C; et al; GRACIA-MARCO, L; Moreno, LA. (4/17). 2021. Improving cardiorespiratory fitness protects against inflammation in children: the IDEFICS study (In press) Pediatric Research. NATURE PUBLISHING GROUP. ISSN 0031-3998. https://doi.org/10.1038/s41390-021-01471

4 **Artículo científico**. GRACIA-MARCO, L (AC); García-Fontana, B; Ubago-Guisado, E; Vlachopoulos, D; García-Martín, A; Muñoz-Torres, M. (1/6). 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

5 **Artículo científico**. GRACIA-MARCO, L (AC); Esteban-Cornejo, I; Ubago-Guisado, E; et al; Ortega, FB. (1/11). 2020. Lean mass index is positively associated with white matter volumes in several brain regions in children with overweight/obesity Pediatric Obesity. WILEY. 15-5, pp.e12604. ISSN 2047-6310. https://doi.org/10.1111/ijpo.12604

6 **Artículo científico**. Gil-Cosano, JJ; Ubago-Guisado, E; Sanchez, MJ; et al; GRACIA-MARCO, L (AC). (17/17). 2020. The effect of an online exercise programme on bone health in paediatric cancer survivors (iBoneFIT): study protocol of a multi-centre randomized controlled trial BMC Public Health. BIOMED CENTRAL LTD. 20-1, pp.1520. ISSN 1471-2458. https://doi.org/10.1186/s12889-020-09607-3

7 **Artículo científico**. Ubago-Guisado, E; Cavero-Redondo, I; Alvarez-Bueno, C; Vlachopoulos, D; Martinez-Vizcaino, V; GRACIA-MARCO, L. (6/6). 2019. Bone health in children and young people with cystic fibrosis compared to that in healthy subjects: a systematic review and meta-analysis of matched cohort studies (ePub ahead of print) Journal of Pediatrics. MOSBY-ELSEVIER. 215, pp.178-186. ISSN 0022-3476.

8 **Artículo científico**. Ubago-Guisado, E; GRACIA-MARCO, L; Medrano, M; et al; Ortega, FB. (2/13). 2019. Differences in areal bone mineral density between metabolically healthy and unhealthy overweight/obese children: the role of physical activity and cardiorespiratory fitness. (IN PRESS) Pediatric Research. NATURE PUBLISHING GROUP. 87-7, pp.1219-1225. ISSN 0031-3998. https://doi.org/10.1038/s41390-019-0708-x

9 **Artículo científico**. Ubago-Guisado. E; GRACIA-MARCO, L; Cavero-Redondo, I; Martinez-Vizcaino, V; Notario-Pacheco, B; Pozuelo-Carrascosa, DP; Adalia, EG; Alvarez-Bueno, C. (2/8). 2019. Effect of different types of exercise on health-related quality of life during and after cancer treatment: a protocol for a systematic review and network meta-analysis.BMJ Open. BMJ PUBLISHING GROUP. 9-11, pp.e031374. ISSN 2044-6055. https://doi.org/10.1136/bmjopen-2019-031374

10 **Artículo científico**. Ubago-Guisado, E; Vlachopoulos, D; Barker, AR; Christoffersen, T; Metcalf, B; GRACIA-MARCO, L (AC). (6/6). 2019. Effect of maturational timing on bone health in male adolescent athletes engaged in different sports: The PRO-BONE study. (Epub ahead of print) Journal of Science and Medicine in Sport. ELSEVIER SCI LTD. 22, pp.253-258. ISSN 1440-2440. https://doi.org/10.1016/j.jsams.2018.08.009

11 **Artículo científico**. Gil-Cosano, JJ; GRACIA-MARCO, L; Ubago-Guisado, E; et al; Ortega, FB. (2/13). 2019. Inflammatory markers and bone mass in children with overweight/obesity: the role of muscular fitness (IN PRESS) Pediatric Research. NATURE PUBLISHING GROUP. ISSN 0031-3998. https://doi.org/10.1038/s41390-019-0572-8.

12 **Artículo científico**. Vlachopoulos, D; Barker, AR; Ubago-Guisado, E; Williams, CA; GRACIA MARCO, L (AC). (5/5). 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

13 **Artículo científico**. Barker, AR; GRACIA-MARCO, L; Ruiz, JR; et al; Moreno, LA. (2/12). 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

14 **Artículo científico**. Vlachopoulos, D; Ubago-Guisado, E; Barker, AR; et al; GRACIA-MARCO, L (AC). (10/10). 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

15 **Artículo científico**. Vlachopoulos, D; Barker, AR; Williams, CA; et al; GRACIA MARCO, L (AC). (9/9). 2017. The impact of sport participation on bone mass and geometry in adolescent males Medicine and Science in Sports and Exercise. LIPPINCOTT WILLIAMS & WILKINS. 49-2, pp.937-947. ISSN 0195-9131. https://doi.org/10.1249/MSS.0000000000001091

16 **Capítulo de libro**. Barker, AR; GRACIA-MARCO, L; Vlachopoulos, D; Williams, CA. (2/4). 2018. Growth, maturation and physical fitness Kinanthropometry and Exercise Physiology (4TH EDITION). ROUTLEDGE. ISBN 9781138230521. https://doi.org/10.4324/9781315385662

17 **Revisión bibliográfica**. Nascimento-Ferreira, MV; de Moraes, ACF; Toazza Oliveira, PV; Rendo-Urteaga, T; GRACIA-MARCO, L; de Moraes Forjaz, CL; Moreno, LA; Barbosa Carvalho, H. (5/8). 2018. Assessment of physical activity intensity and duration in the pediatric population: evidence to support an a priori hypothesis and sample size in the agreement between subjective and objective methods Obesity Reviews. WILEY-BLACKWELL. 19-6, pp.810-824. ISSN 1467-7881. https://doi.org/doi:10.1111/obr.12676

C.3. Proyectos y Contratos

1 **Proyecto**. Tromsø Female football Centre. University of Tromsø, The Artic University of Norway; Tromsø Research Foundation. Svein-Arne Pettersen. (University of Tromsø, The Artic University of Norway). 01/01/2020-31/12/2023. 3.670.590 €.

2 **Proyecto**. REBOTA-Ex trial: Regulating bone metabolism through exercise in paediatric cancer survivors.. Junta de Andalucía. GRACIA-MARCO, L. (Universidad de Granada). 01/09/2021-31/12/2022. 108.081 €.

3 **Proyecto**. 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

4 **Proyecto**. Proyecto FitBack - Programa SPO – Sport. The European Network for the Support of Development of Systems for Monitoring Physical Fitness of Children and Adolescents. 01/09/2019-31/08/2021. 399.886 €.

5 **Proyecto**. 618496, PRO-BONE: Effect of a program of short bouts of exercise on bone health in adolescents involved in different sports. FP7 Seventh Framework Programme. GRACIA-MARCO, L. (University of Exeter). 01/04/2014-31/03/2018. 100.000 €. Investigador principal. PRINCIPAL INVESTIGATOR. I wrote up the proposal that was awarded a Marie Curie Fellowship. I am responsible of all aspects that relate to this grant (ethics proposal, recruitment, testing, analyses, ...