

SPANISH HOSTING OFFERS - IF 2019

EURAXESS

TITLE

Marie Curie Post Doc position in Instituto de Investigación Biomédica de Málaga (IBIMA) :
Expression of Interest for Hosting a Marie Curie Fellowship

HOSTING SUMMARY

The group “Diabetes, Obesidad y otros Factores de Riesgo Vascular. Enfermedades Autoinmunes Sistémicas” leading by Dr./Prof Ricardo Gómez Huelgas at the Instituto de Investigación Biomédica de Málaga (IBIMA) in Málaga (Spain) is interested in hosting a Marie Curie Fellowship. **1 Marie Skłodowska-Curie projects** are offered to be supervised by Dr/ Prof Ricardo Gómez Huelgas and Dr. Maria Rosa Bernal López :

Dr. / Prof. Ricardo Gómez Huelgas has been working in some research lines related with internal medicine. He is the head in chief of Internal Medicine Spanish Society. Concretely, their principal research line is diabetes, obesity and lifestyle modification.

Prof. Ricardo Gómez Huelgas Currently, his research group have some active projects with duration of 2021, international and national in general population, aged 4-90 years, with obesity and metabolically healthy or with metabolic syndrome, and population with prediabetes or diabetes with larger evolution. His trajectory is available with his more of 200 indexed publications in his field.

HOSTING DETAILS

Description of the center: The Biomedical Research Institute of Málaga, IBIMA , is a space for multidisciplinary biomedical research that gather the resources, skills and expertise of the main public University Hospitals, Primary Care Centres and the University of Málaga to constitute a powerful combine (www.ibima.eu/en).

IBIMA fosters translational research to accelerate the transference of the scientific breakthroughs into the prevention, diagnosis and treatment of Health Care.

IBIMA has been accredited as a Health Research Institute since January 15th 2015 by the National Health Institute Carlos III, on the basis of the Spanish Royal Decree 339/2004 of February 27th. It has a workforce of 853 people, of which 705 are researchers (56% of them having healthcare activity), 114 are technicians and 34 are managers, clustered in 44 consolidated, 4 emergent and 7 associated groups.

The Málaga Health Research Institute performs its research activities within the scope of the Andalusian Health System (SAS).The SAS is an autonomous body attached to the Ministry of Health of the Government of Andalusia, in the South of Spain. Its mission is to provide public, quality health care to the citizens of Andalusia seeking efficiency and optimum use of resources. At Málaga province, the

SAS provides care to a population of 1.600.000 habitants coordinating the services of 2 University Hospitals and 48 Primary Care Centres in the city of Málaga together with those located throughout the rural territory of the province (4 Hospitals and 107 Primary Care Centres).

The IBIMA Strategic Plan_2018-2022 defines the evolution of the Institute taking into account the, European, national and regional research policies, welcoming the collaboration with private entities and analyzing the province health indicators to establish the course of actions to become the scientific and technological reference for the citizens of Málaga and of the international community.

The backbone of the IBIMA organization has been the prioritization of the lines of research pursuing the greatest impact on the health of the citizens of the Málaga province. The Institute is structured around 4 Priority and 2 transversal Research Areas, where the Research Groups, the Common Research Facilities and the Research Support Units are coordinated for the execution and the management of the research. The IBIMA Research areas are:

- 1 Cardiovascular diseases, obesity and diabetes. Environmental determinants and lifestyle
- 2 Oncology and Hematology
- 3 Neurosciences, Chronicity, Aging and Health in vulnerable populations
4. Autoimmune, infectious diseases, inflammation and allergy.

Trasnversal1. IBIMA Rare: Rare diseases

Transversal 2.IBIMA Tech: Technology Area in Health and Innovation

IBIMA Common Research Facilities (ECAI) are:

- | | |
|---------------------------|---|
| 1. Clinical studies | 6. Microscopy |
| 2. Biobank | 7. Biología celular (citometría y cultivos) |
| 3. Bioinformatics | 8. Cell production and GMP rooms |
| 4. Animal experimentation | 9. Proteomics |
| 5. Genomics | 10. Methodological and statistical advice |

IBIMA Research Support Units (UAI) are:

1. Quality, monitoring and evaluation
2. Project management
3. International Projects
4. Innovation and technology transfer

In July 2017, the European Commission awarded IBIMA_FIMABIS the HRS4R Seal in recognition of the commitment acquired in implementing the principles of the "European Charter of Researcher and Code of Conduct in the Recruitment of Researchers "through its HRS4R strategy Implementation Plan

IBIMA defines in its Training Plan 2018_2022 the aims and objectives regarding the training of IBIMA staff providing seminars, courses and events designed to foster high-quality scientific and technical training. IBIMA collaborates with the Málaga University Post-grade Doctoral Life Science Programmes and Masters.

Regarding the research funding managing, justification and auditing FIMABIS provides IBIMA with management resources and services that are independent of the governing structures of IBIMA´s . partners that conforms the Institute, the Andalusian Health System (SAS) and the University of Málaga This allows an efficient economic and administrative management that complies with the national, regional and international governmental-public and private funding agencies normative.

Description of the group:

Description of the project/projects:

The projects proposal are

- Project 1 Objective: To test whether the change of lifestyle by promoting physical exercise and recommendations of healthy Mediterranean-style diet (without caloric restriction) in elderly MHO is associated with changes in insulin sensitivity and whether modifies the metabolomic mechanisms, epigenetic patterns and gut microbiota in this population.
- Project 2 Objective: Determine the capacity of early, intensive, combined treatment with antidiabetic drugs & lifestyle, compared to lifestyle only, to preserve microcirculation function and to prevent microvascular damage in adult prediabetics.

Description Principal Investigator (*education, research experience, publications, projects, [ORCID ID](#), Researcher ID or other, etc.*)

Supervisor Publications

>> Publications= 205

Some recent publications in 2018 and 2019 are:

- **Gomez-Huelgas R**, Ruiz-Nava J, Santamaria-Fernandez S, Vargas-Candela A, Alarcon-Martin AV, Tinahones FJ, Bernal-Lopez MR. Impact of Intensive Lifestyle Modification on Levels of Adipokines and Inflammatory Biomarkers in Metabolically Healthy Obese Women. *Mediators Inflamm.* 2019 Apr 9;2019:4165260. doi: 10.1155/2019/4165260. eCollection 2019. PubMed PMID: 31093012; PubMed Central PMCID: PMC6481026.
- Pérez-Belmonte LM, Osuna-Sánchez J, Millán-Gómez M, López-Carmona MD, Gómez-Doblas JJ, Cobos-Palacios L, Sanz-Cánovas J, Barbancho MA, Lara JP, Jiménez-Navarro M, Bernal-López MR, **Gómez-Huelgas R**. Glycaemic efficacy and safety of linagliptin for the management of non-cardiac surgery patients with type 2 diabetes in a real-world setting: Lina-Surg study. *Ann Med.* 2019 Apr 30:1-10. doi: 10.1080/07853890.2019.1613672. [Epub ahead of print] PubMed PMID: 31037970
- **Gómez-Huelgas R**, Lara-Rojas CM, López-Carmona MD, Jansen-Chaparro S, Barba R, Zapatero A, Guijarro-Merino R, Tinahones FJ, Pérez-Belmonte LM, Bernal-López MR. Trends in Diabetes-Related Potentially Preventable Hospitalizations in Adult Population in Spain, 1997-2015: A Nation-Wide Population-Based Study. *J Clin Med.* 2019 Apr 11;8(4). pii: E492. doi: 10.3390/jcm8040492. PubMed PMID: 30978979.
- Palau-Rodríguez M, García-Aloy M, Miñarro A, Bernal-Lopez MR, Brunius C, **Gómez-Huelgas R**, Landberg R, Tinahones FJ, Andres-Lacueva C. Effects of a long-term lifestyle intervention on metabolically healthy women with obesity: Metabolite profiles according to weight loss response. *Clin Nutr.* 2019 Feb 16. pii: S0261-5614(19)30036-6. doi: 10.1016/j.clnu.2019.01.018. [Epub ahead of print] PubMed PMID: 30862367.
- **Gómez-Huelgas R**, Pérez-Belmonte LM, Rivera-Cabeo I, Morilla-Herrera JC, Bellosta-Ymbert JM, Bernal-López MR. Management of elderly patients with type 2 diabetes in long-term care and skillednursing facilities. *Pol Arch Intern Med.* 2019 Feb 28;129(2):137-140. doi: 10.20452/pamw.4410. Epub 2018 Dec 29. PubMed PMID: 30600309.
- Pérez-Belmonte LM, Gómez-Doblas JJ, Millán-Gómez M, López-Carmona MD, Guijarro-Merino R, Carrasco-Chinchilla F, de Teresa-Galván E, Jiménez-Navarro M, Bernal-López MR, **Gómez-Huelgas R**. Use of Linagliptin for the Management of Medicine Department Inpatients with Type 2 Diabetes in Real-World Clinical Practice (Lina-Real-World Study). *J Clin Med.* 2018 Sep 11;7(9). pii: E271. doi: 10.3390/jcm7090271. PubMed PMID: 30208631; PubMed Central PMCID: PMC6162816.
- Lara-Rojas CM, Pérez-Belmonte LM, López-Carmona MD, Guijarro-Merino R, Bernal-López MR,

Gómez-Huelgas R. National trends in diabetes mellitus hospitalization in Spain 1997-2010: Analysis of over 5.4 millions of admissions. *Eur J Intern Med.* 2019 Feb;60:83-89. doi: 10.1016/j.ejim.2018.04.005. Epub 2018 Aug 9. PubMed PMID: 30100217.

- Almanza-Aguilera E, Brunius C, Bernal-Lopez MR, Garcia-Aloy M, Madrid-Gambin F, Tinahones FJ, **Gómez-Huelgas R**, Landberg R, Andres-Lacueva C. Impact in Plasma Metabolome as Effect of Lifestyle Intervention for Weight-Loss Reveals Metabolic Benefits in Metabolically Healthy Obese Women. *J Proteome Res.* 2018 Aug 3;17(8):2600-2610. doi: 10.1021/acs.jproteome.8b00042. Epub 2018 Jun 28. PubMed PMID: 29877711.
- Garcia de Lucas MD, Pérez Belmonte LM, Suárez Tembra M, Olalla Sierra J, **Gómez Huelgas R**. Efficacy and safety of replacing sitagliptin with canagliflozin in real-world patients with type 2 diabetes uncontrolled with sitagliptin combined with metformin and/or gliclazide: The SITA-CANA Switch Study. *Diabetes Metab.* 2018 Sep;44(4):373-375. doi: 10.1016/j.diabet.2018.05.005. Epub 2018 May 22. PubMed PMID: 29859992.
- Pérez-Belmonte LM, Florido-Santiago M, Millán-Gómez M, Barbancho MA, **Gómez-Huelgas R**, Lara JP. Research Long-term Cognitive Impairment After Off-Pump Versus On-Pump Cardiac Surgery: Involved Risk Factors. *J Am Med Dir Assoc.* 2018 Jul;19(7):639-640.e1. doi: 10.1016/j.jamda.2018.02.012. Epub 2018 Apr 10. PubMed PMID: 29650394.
- Rodriguez-Garcia E, Ruiz-Nava J, Santamaria-Fernandez S, Fernandez-Garcia JC, Vargas-Candela A, Yahyaoui R, Tinahones FJ, Bernal-Lopez MR, **Gomez-Huelgas R**. Implications of the Mediterranean diet and physical exercise on the lipid profile of metabolically healthy obese women as measured by nuclear magnetic resonance spectroscopy ((1)H NMR). *Chem Phys Lipids.* 2018 Jul;213:68-75. doi: 10.1016/j.chemphyslip.2018.03.007. Epub 2018 Mar 23. PubMed PMID: 29580835.
- Serena C, Ceperuelo-Mallafre V, Keiran N, Queipo-Ortuño MI, Bernal-Lopez MR, **Gomez-Huelgas R**, Urpi-Sarda M, Sabater M, Pérez-Brocail V, Andrés-Lacueva C, Moya A, Tinahones FJ, Fernández-Real JM, Vendrell J, Fernández-Veledo S. Elevated circulating levels of succinate in human obesity are linked to specific gut microbiota. *ISME J.* 2018 Jun;12(7):1642-1657. doi: 10.1038/s41396-018-0068-2. Epub 2018 Feb 12. PubMed PMID: 29434314; PubMed Central PMCID: PMC6018807.
- León Jiménez D, **Gómez Huelgas R**, Miramontes González JP. The mechanism of action of sodium-glucose co-transporter 2 inhibitors is similar to carbonic anhydrase inhibitors. *Eur J Heart Fail.* 2018 Feb;20(2):409. doi: 10.1002/ejhf.1068. Epub 2017 Nov 23. PubMed PMID: 29171186.
- Ena J, Gaviria AZ, Romero-Sánchez M, Carretero-Gómez J, Carrasco-Sánchez FJ, Segura-Heras JV, Porto-Perez AB, Vázquez-Rodríguez P, González-Becerra C, **Gómez-Huelgas R**; Diabetes and Obesity Working Group of the Spanish Society of Internal Medicine. Derivation and validation model for hospital hypoglycemia. *Eur J Intern Med.* 2018 Jan;47:43-48. doi: 10.1016/j.ejim.2017.08.024. Epub 2017 Sep 4. PubMed PMID: 28882417.

H Index=21 Patent=0 Active Grants=5

Supervisor International collaborations:

- Consortium:
 - Title: Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe: Study e-PREDICE. Type of funding scheme: Collaborative Project. Work programme topics addressed: HEALTH.2011.2.4.3-1: Investigator-driven clinical trials to reduce diabetes complications. FP7-HEALTH-2011-two-stage. (7º Programa Marco de I+D de la Union Europea) Duration: 2012-2020. Principal Investigators: Prof. Rafael Gabriel and Prof. Jaakko Tuomilehto. Partner 35: Prof. Ricardo Gómez Huelgas (Málaga)
 - Title: PRECISESADS: Molecular reclassification to find clinically useful biomarkers for systemic autoimmune diseases: Cross sectional cohort. Proposal acronym: PRECISESADS.

Type of funding scheme: JTI-CP-IMI - Joint Technology Initiatives - Collaborative Project (IMI). Work programme topics addressed: PRECISESADS GA-115565_CS v2.0_03112014. IMI-JU-08-2012-03 - Developing An Aetiology-Based Taxonomy Of Human Disease - Approaches to Develop a New Classification for Systemic Lupus Erythematosus (SLE) and Related Connective Tissue Disorders and Rheumatoid Arthritis (RA). Duration: 01/02/2014-31/01/2020. Principal Investigators: Prof. Marta Alarcón y Prof. Ricardo Gómez Huelgas (Málaga)

- Network

Supervisor most relevant research projects grants:

More information:

- Number of positions available: 1
- Type of contract: Full Time Contract
- Status: Post-Doctoral Researcher
- Working hours (hour per week or free text): 35hours/week
- State / province: Malaga/Malaga
- City: Malaga
- Postal code: 29010
- Street: Avda. Carlos Haya s/n
- Organisation: Public Health System of Andalusia
- Faculty / department: Internal Medicine
- Country: Spain
- City: Malaga
- State/province: Malaga
- Website: www.ibima.eu
- Phone mobile phone:+34 951291169

APPLICATION DETAILS

- Envisaged job starting date: 01/01/2020
- Application deadline: 30/06/2019
- How to apply: by email
- Application e-mail : robelopajju@yahoo.es

REQUIRED EDUCATION LEVEL

- Required education level 1: Nursery/Biology
- Degree: Post-doctoral
- Degree field: Health /Sports medicine

REQUIRED EXPERIENCE LEVEL

MSCA-IF-2019

Expressions of Interest for hosting MSCA fellows



- Main research field: Metabolic Pathologies
- Sub research field: Obesity and Diabetes
- Years of research experience: 4

REQUIRED LANGUAGES

- Language: English
- Language level: CEFR equivalent to B2

ADDITIONAL REQUIREMENTS

- Skills:
 - Translational biomedical research culture
 - Preparation and realization of projects and scientific material
 - Promotion of collaboration with experimental groups (clinical-experimental projects), national and international
- Specific requirements:
 - Active subject
 - Interest to learn
 - Know how to work in a team and individually

At the deadline for the submission of proposals (**September, 11th 2019**), researchers:

- shall be in possession of a doctoral degree or have at least four years of full-time equivalent research experience.
- must not have resided or carried out their main activities in the country of Spain for more than 12 months in the 3 years immediately prior to the abovementioned deadline.