

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 “CTS-546” leading by Dr. Yolanda de Diego-Otero 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 Yolanda de Diego-Otero:

Dr. de Diego Otero has been working in the investigation of the Fragile X syndrome, therapeutic targets and clinical trials, autism Biomarkers and genetics of mental disorders

Professional status

Senior researcher (Nicolás Monardes Program. Regional Ministry of Health)

Education

1997-1998 Postdoctoral fellowship. Biochemistry and Molecular Biology Department. School of Medicine. University of Seville. Spain.

1993-1997 PhD student. Molecular and Cellular Biology. Biochemistry and Molecular Biology Department. School of Medicine. University of Seville. Spain.

1987-1992 Grade in Biological Sciences, School of Biological Science, University of Seville, Spain.

Previous scientific or professional activities

2012-present Research staff. Mental Health Service. University Regional Hospital. Malaga. Spain

2002-2012 Research staff, Department of Molecular Biology, Research Laboratory, Regional University Hospital. Malaga. Spain

2001-2002 Marie Curie Postdoctoral Fellowship (return). Pharmacology Department. University of Malaga. Spain

1998-2001 Marie Curie Postdoctoral Fellowship. Clinical Genetics Department. Erasmus University Rotterdam. The Netherlands

Scientific production: 51 articles with 1225 total citations. H:18

Main achievements

- Clinical Studies to develop a treatment for the Fragile X Syndrome
- Psychopharmacological study in the Fmr1-Knockout mouse model and preclinical trials.

- Clinical trials to treat patients with Fragile X syndrome (Novartis Pharmaceutical Company).
- Basic and Clinical Studies devoted to the Autism Spectrum Disorder and neurodevelopmental disorders.
- Genomic studies of psychiatric illness.

HOSTING DETAILS

Description of the center: The Biomedical Research Institute of Málaga, IBIMA, is a space for multidisciplinary biomedical research that gathers 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.
- Trasversal 1. IBIMA Rare: Rare diseases
Trasversal 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-graduate 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. 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:

The group is a part of the Mental Health Research unit in the IBIMA. More than 13 researchers (5 PI-PhD., 6 PhD. Students and 2 technicians) belong to this group and work in three different research lines.

Description of the project:

- Project 1 Objective: Early Biomarkers on Autism Spectrum disorders
- Project 2 Objective: New therapeutic targets for Neurodevelopmental disorders

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

ORCID-ID: 0000-0003-2384-8349

RESEARCHER ID: B-7517-2026

Education

1997-1998 Postdoctoral fellowship. Biochemistry and Molecular Biology Department. School of Medicine. University of Seville. Spain.

1993-1997 PhD student. Molecular and Cellular Biology. Biochemistry and Molecular Biology Department. School of Medicine. University of Seville. Spain.

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1998-2001 Marie Curie Postdoctoral Fellowship. Clinical Genetics Department. Erasmus

University Rotterdam. The Netherlands

Supervisor Publications. List of the 5 most relevant publications in the last 5 years

- Coín Aragüez L, Pavón FJ., Contreras A, Gentile A, Lhamyani S, de Diego-Otero Y, Roca-Rodríguez MM, Casado Y, Oliva-Olivera W, Oliveira G, Tinahones F, Pérez-Costillas L and El Bekay R. Inflammatory gene expression in adipose tissue according to diagnosis of anxiety and mood disorders in obese and non-obese subjects. *Scientific Report*, 2018. 30;8(1):17518.
- Gutiérrez-Zotes A, Labad J, Martín-Santos R, García-Esteve L, Gelabert E, Jover M, Guillamat R, Mayoral F, Gornemann I, Canellas F, Gratacós M, Guitart M, Roca M, Costas J, Ivorra JL, Navinés R, de Diego-Otero Y, Vilella E, Sanjuan J. Coping strategies for postpartum depression: a multi-centric study of 1626 women. *Arch Womens Ment Health*. 2016 Jun;19(3):455-61.
- Bergero-Miguel T, García-Encinas M. A., Villena-Jimena A., Pérez-Costillas L, Sánchez-Álvarez N., de Diego-Otero Y., Guzman-Parra J. Gender Dysphoria and Social Anxiety: An exploratory Research in Spain. *Journal of Sexual Medicine* 2016 Aug;13(8):1270-8 .
- Lima-Cabello E, et al. An Abnormal Nitric Oxide Metabolism Contributes to Brain Oxidative Stress in the Mouse Model for the Fragile X Syndrome, a Possible Role in Intellectual Disability. *Oxid Med Cell Longev*. 2016;2016:8548910.
de Diego-Otero Y, Calvo-Medina R, Quintero-Navarro C, Sánchez-Salido L, García
- Guirado F, del Arco-Herrera I, Fernández-Carvajal I, Ferrando-Lucas T, Caballero-Andaluz R, Pérez-Costillas L. A combination of ascorbic acid and α -tocopherol to test the effectiveness and safety in the fragile X syndrome: study protocol for a phase II, randomized, placebo-controlled trial. *Trials*. 2014 Sep 3;15:345.

Publications= 51 Citations= 1227 H Index=18 Patents=4 Grants=15

Supervisor International collaborations:

- 1 Consortium (Fragile X Clinics and Research centers)
- 1 Network COST ACTIONS
- 2 Marie Curie Actions

Supervisor most relevant recent research projects grants:

- Interacción del metabolismo y el ambiente en la aparición y la Severidad de los trastornos del espectro autista Yolanda de Diego Otero. (Instituto de investigación Biomédica de Málaga). 28/10/2016-28/03/2019. Fundación Alicia Koplowitz. 40.000 €.
- S-C011, VINCULACION DE INVESTIGADORES A LAS UGC DEL SAS. PROGRAMA NICOLAS MONARDE 2012 SERVICIO ANDALUZ DE SALUD. 20/03/2012-19/03/2016. 243.879 €.
- PI-0290-2012, Tratamiento de Los Trastornos Depresivos en Ancianos: Ensayo de la Eficacia de Una Combinación de Antioxidantes Ácido Ascórbico (Vitamina C) + Tocoferol (Vitamina E) en Comparación Con Placebo. CONSEJERIA DE IGUALDAD SALUD Y POLITICAS SOCIALES. LUCÍA PEREZ COSTILLAS. 27/12/2012- 27/12/2015. 51.102 €.
- CTS-5704, Nuevas dianas terapéuticas para el Síndrome X frágil: mecanismos moleculares mediado por proteínas Rho-GTPasa y NADPH oxidasa. Ensayos experimentales en modelos animales transgénicos y en humanos. Consejería de economía, innovación, ciencia y empleo. Yolanda de diego otero. 05/07/2011-04/07/2015. 249.747 €.
- EC11-434, Ensayo piloto fase II, aleatorizado, doble ciego controlado por placebo, de una vía cruzada, para investigar la efectividad de la combinación de ácido Ascórbico (vitamina C) y Tocoferol (vitamina E) versus placebo para para el tratamiento de los trastornos neuropsiquiátricos en mujeres portadoras de la mutación del Síndrome X frágil MINISTERIO DE SANIDAD, SERVICIOS SOCIALES E IGUALDAD. MARIA

YOLANDA DE DIEGO OTERO. 01/01/2012-30/06/2015. 147.150 €.

- EC10-191, EC10-191. Ensayo de tratamiento fase III, doble ciego, aleatorio, de una cruzada en 100 niños con Síndrome X frágil, para investigar la efectividad de la combinación de vitamina C y vitamina E versus placebo MINISTERIO DE SANIDAD, SERVICIOS SOCIALES E IGUALDAD. AYUDAS A LA INVESTIGACIÓN. 01/01/2011-31/03/2015. 100.000 €.

More information:

- Number of positions available: 1
- Type of contract: Researcher
- Status: Supervisor
- Working hours (hour per week or free text): 35
- State / province: Spain. Malaga
- City: Malaga
- Postal code: 29009
- Street: Hospital Civil, S/N
- Organisation: Institute of Biomedical Research of Malaga
- Faculty / department: Mental Health Department
- Country: Spain
- City: Malaga
- State/province: Malaga
- Website: www.personasXpeciales.es
- Phone mobile phone: +346581460623

APPLICATION DETAILS

- Envisaged job starting date: 01/01/2020
- Application deadline: 31/06/2019
- How to apply: send a CV to the application email.
- Application e-mail : ydediego@yahoo.es

REQUIRED EDUCATION LEVEL

- Required education level 1: University Degree.
- Degree: PhD
- Degree field: Biomedicine, Biology, or Biochemistry,

REQUIRED EXPERIENCE LEVEL

- Main research field: Neurodevelopmental disorders
- Sub research field: Autism Spectrum Disorders and Fragile X syndrome
- Years of research experience: 4

REQUIRED LANGUAGES

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

ADDITIONAL REQUIREMENTS

- Skills: Molecular and Cellular Biology, Genetics, Neuropsychopharmacology, Biochemistry.
- Specific requirements: Motivated and independent researcher.

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.