

The GROUP: GC-05 “Enfermedades autoinmunes sistémicas-inflamatorias crónicas del aparato locomotor y tejido conectivo”

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POSTDOCTORAL CONTRACT

Place: Maimonides Biomedical Research Institute of Cordoba (IMIBIC)

Link of Group: <http://www.imibic.org/site/grupo/12/gc-05-enfermedades-autoinmunes-sistemicas-inflamatorias-cronicas-del-aparato-locomotor-y-tejido-conectivo>

Topic:

Our research team uses synergistical clinical-therapeutic, molecular and cellular approaches. Its main objectives are as follows:

1. To analyze the cellular and molecular mechanisms regulating the effect of statins and other drugs on development (biological therapy) in preventing thrombosis and atherothrombosis in systemic autoimmune diseases (SAD), such as Primary Antiphospholipid Syndrome (APS), Systemic Lupus Erythematosus (SLE) and Rheumatoid Arthritis (RA). We also conduct studies on mitochondrial dysfunction and oxidative stress in atherothrombosis associated with SAD; in addition, we perform proteomic analyses aimed at identifying new genes/proteins whose expression in patients with APS, SLE or RA and atherosclerosis is altered, and determining the variations in expression patterns as a result of different treatments.
2. To register, describe and analyze the clinical, epidemiological, demographic, genetic and radiographic characteristics of the physiological and therapeutic response in patients with ankylosing spondylitis in Spain and compare them with data from Latin American patients. The most interesting point will be to ascertain whether the possible differences in clinical expression are due to the genetic load we assume comes from the same genotype (in terms of HLA-B27) and its relationship with the interaction with the environment. Moreover, in this same area: to design, develop and validate a new mobility measurement system (the most important expression of structural damage) in these patients.

BOE: <http://www.isciii.es/ISCIII/es/contenidos/fd-investigacion/fd-financiacion/fd-convocatorias-ayudas-accion-estrategica-salud/2016/RESOLUCION-AES-2016.pdf>

Candidates' requirements:

- PhD obtained after 1st January 2012.

Evaluation:

- Candidate CV: 50 points (publications on peer-reviewed journals are required)
- Research Project: 15 points
- Research Group: 35 points.

Send CV to: rosario.lopez.exts@juntadeandalucia.es