FPS groups are looking for R2 researchers who can apply for competitive HR grant ***CONVOCATORIA DE INCORPORACIÓN DE INVESTIGADORES POSDOCTORALES A GRUPOS DE LOS CENTROS SANITARIOS Y DE INVESTIGACIÓN DEL SSPA 2024*** of the *Consejería de Salud y Consumo*:

Application submission: from 24th May to **7th June 2024**.

Eligibility requirements (candidates should):

Junior postdoctoral contract:

- Have the status of a job seeker or, at the very least, hold an employment improvement card issued by the competent Public Employment Service as of the date of submission of the application, which must be maintained until the date of formalization of the employment contract.

- Hold a **PhD degree** in the field of Health Sciences and Technologies of **less or equal to five years**.

  In calculating the five years, interruptions due to justified reasons (maternity or paternity, adoption, temporary incapacity due to illness or accident, temporary incapacity during pregnancy, or caring for dependents) will be excluded, provided they are within the five years preceding the application.

- Have a **research trajectory aligned** with that of the **host group**, which will be evidenced in the declaration of the application and through the submission of a curriculum vitae.

- Be the **author of at least two biomedical research publications**, indexed in the Journal Citation Report (JCR), **being the lead person** as first author, last author or corresponding author, **in at least one of them**.

[More information](#)

Information on host group:

1. **Group:** Proteases and Extracellular Matrix**.**

   Principal Investigator of the Group: Juan Carlos Rodríguez-Manzaneque. Pfizer - University of Granada - Junta de Andalucía Centre for Genomics and Oncological Research (GENYO).

Research line in which the candidate will work: Evaluating the key contribution of extracellular matrix components during tumor progression.

Summary of research line: Fight against cancer requires a deep knowledge of multiple players within the complex tumor heterogeneity, including the composition and nature of the dynamic extracellular matrix (ECM), and its contribution for immune infiltration and bad prognosis.

Profile of the desired candidate:

- Expertise in the study and characterization of cell populations in tumors, using techniques such as immunohistochemistry, cytometry, or others.

- Knowledge of the use of tumor mouse models and their relationships with specific human tumors.

- Knowledge of bioinformatic tools to analyze RNAseq and disease-related big data.

More information about the research group here: [Proteases and Extracellular Matrix](#)

Principal Investigator contact: juancarlos.rodriguez@genyo.es

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2. **Group:** Big Data Department - Computational Medicine Platform**.**

Principal Investigator of the Group: Miguel Ángel Armengol de la Hoz. Big Data Department - Computational Medicine Platform - Andalusian Public Foundation Progress and Health – FPS (Seville)

Research line in which the candidate will work:
Development of a common Andalusian framework for the Evaluation of Health Technologies based on Artificial Intelligence solutions in collaboration between AETSA-FPS and the Big Data Area of FPS.

Profile of the desired candidate:
- PhD in Computer Engineering or Telecommunications Engineering or Mathematics or Statistics or Data Science or Bioinformatics or Physics or Psychology, with proven experience in data analysis and scientific papers published in health journals.

- Knowledge of Python, R, SQL or JS.

- B2 level in English or similar.

More information about the research group here: [Big Data Department](#)

Principal Investigator contact: mangel.armengol@juntadeandalucia.es

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3. **Group:** Pancreatic Islet Development & Regeneration**.**

Principal Investigator of the Group: Benoit R. Gauthier. CABIMER (Andalusian Centre of Molecular Biology and Regenerative Medicine).

Research line in which the candidate will work: In depth characterization of the molecular and cellular mode of action of the anti-diabetic and wound healing drug target, LRH-1/NR5A2, in human islet beta cells.

Profile of the desired candidate:
- PhD in Health and biotechnology.
- Experience in islet physiology/drug development/omics.
- Motivated to work.

More information about the research group here: [Pancreatic Islet Development & Regeneration](#)

Principal Investigator contact: benoit.gauthier@cabimer.es

4. Group: Genetics of Complex Inflammatory Diseases**.**

Principal Investigator of the Group: Concepción Marañón Lizana. Pfizer - University of Granada - Junta de Andalucía Centre for Genomics and Oncological Research (GENYO).

Research line in which the candidate will work:
a) IFN-directed drugs as a therapeutic approach for systemic autoimmune diseases

Since plasmacytoid dendritic cells (pDC) are key players in the control of autoimmune responses through the production of high amounts of IFN, we propose a multidisciplinary pDC-based strategy for the discovery of novel strategic approaches for the management of prototypic IFN-mediated diseases, namely psoriasis (PSO), systemic lupus erythematosus (SLE) and Sjögren syndrome (SjS). Our approach integrates computational methods, in vitro screening and in vivo testing, in the search of both new repurposing strategies and the discovery of new active molecules. This project proposes novel and integrative strategies allowing the advance in the development of new therapeutic options of SADs patients.

Profile of the desired candidate:
- PhD in the area of Biomedicine

- Experience in cellular immunology, cell/animal models or data analysis

- Willing to integrate a dynamic, international and translational team

More information about the research group here: Genetics of Complex Inflammatory Diseases

Principal Investigator contact: concepcion.maranon@genyo.es