



**Date of publication of the job offer: November 17th, 2017**

**Job title: Analysis of next-generation sequencing data for the study of the contribution of germline and somatic mutations to immune system disorders**

**Job description**

The worker will assist in the analysis of targeted resequencing, whole-exome and whole-genome data from patients with immunodeficiencies and autoinflammatory diseases. The aim is describing the genetic variants, germline or somatic, originating the disorder. The worker will use the bioinformatic pipelines for next-generation sequencing data analysis, and for the detection of germline variants originating the disease. He/She will also be involved in the optimization of these bioinformatic tools for the detection of somatic genetic variants originating immune system disorders.

**Project and Institution that finance the contract:**

SAF2015-68472-C2-2-R- "Mecanismos genéticos de las inmunodeficiencias primarias: identificación y contribución de las mutaciones somáticas y germinales"

**Official number reference : MINECO- SAF2015-68472-C2**

**Information on the minimum requirements**

Description of the appropriate skills, expertise, experience and qualifications needed.

- *In possession of a bachelor and a master degree in Human Biology, Bioinformatics, Genomics, Immunology, Medical Genetics or a related area.*
- *Experience in the fields of Immunology and Genomics*
- *Knowledge on the methodologies and approaches to detect casual germline and somatic genetic variants.*
- *The candidate must have spent a minimum of six months abroad performing a research stay in a field related to this call, in the last two years*

**Benefits of the opening**

*The candidate will be hired for twelve months as a "Tècnic especialista de suport a la recerca", with a monthly gross salary of 1206.83€ plus Social Security costs*

**Information on the application process**

The decision will be taken by the PI of the project, Ferran Casals.

**Deadline to submit applications**

December 11th, 2017

**Contact**

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