

**CONTRACT Ref:45/2019**

**Research Project Title: LIQUIDHOPE. Advancing liquid biopsies for monitoring and personalized treatment of children with neuroblastoma.**

IIS La Fe has decided to publish a call for a job offer, by a competitive procedure, for a **1 Doctorate degree** At least **three credited years of postdoctoral training on cancer related topics**, to perform the tasks in the framework of the Project 2018/0209

LIQUIDHOPE: Advancing Liquid Biopsies for Monitoring and Personalized Treatment of Children with Neuroblastoma. LIQUIDHOPE primarily aims to accelerate transfer of liquid biopsy approaches into the clinic within 3 parallel research arms designed to overcome current hurdles in (1) therapy response assessment, (2) minimal residual disease (MRD) monitoring and (3) actionable target identification. LIQUIDHOPE combines 6 WPs comparatively assessing metabolites (WP1), cell-free (cf) DNA-based clonal evolution (WP2), cfDNA methylation (WP3), cfincRNAs, circRNAs and a 9-miR signature (WP4) disseminated tumor cell (DTC) clearance from bone marrow to monitor MRD (WP5) and a comparison of plasma cfDNA-based MRD with standard-of-care RNA-based detection (WP6). Definition of the best marker/analysis method or combination thereof for patient monitoring is the secondary aim.

**Research Project ID:** 2018/0209

**Service/Unit/Accredited Group :** **Clinical and Translational Cancer Research**

**Candidate requeriments:** *(All requeriments are necessary to apply):*

- Doctorate degree At least three credited years of postdoctoral training on cancer related topics

**Merits to value:** *(0-5 points)*

Experience in genetics and in human cancers. Experience in cancer epigenetics. Experience in cell culture and immunohistochemical characterization of tumors. Knowledge of neuroblastoma. Course of design and direction of animal research procedures.

**Curriculum vitae and Academic Track-Record** *(0-2 points)*

- Curriculum vitae
- Expediente Académico

**Other Merits:** *(Complementary Training) (0-1 point)*

- Postdoctoral stays in scientific institutions

**Training/Roles to develop:**

Blood-derived plasma cfDNA purification from neuroblastoma patients. cfDNA high-throughput epigenetics analyses and validation on FFPE tumors. Compilation of clinical variables and biostatistical analysis.

**Contract/Fellowship characteristics:**

- Full time
- Amount: 2.388,08 gross/month
- Lenght: : 12 months renewable.
- Exclusive devotion.

**Deadline for application submission:** 01/05/2019

**Required documents** **On-Line** [www.iislafe.es](http://www.iislafe.es)

- Updated Curriculum Vitae.
- Track-Record with academic grade media.
- Copy of required educational qualifications.
- Supporting documents of the outlined merits.

*\* The documentation submitted for this open competition will be on deposit of IIS La Fe.*