



CONTRACT Ref:126/2019

**Research Project Title: PRIMAGE. PRedictive In-silico Multiscale Analytics to support cancer personalized diaGnosis and prognosis, Empowered by imaging biomarkers.**

IIS La Fe has decided to publish a call for a job offer, by a competitive procedure, for a **Engineering and Architecture: Biomedical Engineer Junior<sub>1</sub>** to perform the tasks in the framework of the Project 2018/0228.

PRIMAGE proposes a cloud-based platform to support decision making in the clinical management of malignant solid tumours, offering predictive tools to assist diagnosis, prognosis, therapies choice and treatment follow up, based on the use if novel imaging biomarkers, in-silico tumour growth simulation, advanced visualisation of predictions with weighted confidence scores and machine-learning based translation of this knowledge into predictors for the most relevant, disease-specific, Clinical End Points.

**Research Project ID:** 2018/0228

**Service/Unit/Accredited Group:** : Biomedical Imaging Research Group (GIBI230)

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

Engineering and Architecture: Biomedical Engineer Junior

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

Extensive experience analyzing data (1 point)

- Experience setting priorities and long term planning (0,5 points)
- Programming Experience (especially using Python, Matlab, Java) (1 point)
- Knowledge in developing AI algorithms with train-test routines using convolutional neural networks (1 point)
- Communication / Exploitation of results (0,5 points)
- Fluent English (minimum First Certificate) and Spanish (1 point)

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

Detailed CV in English

Academic record

Letters of reference if possible

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

- To be able to work independently but also team-working (0,5 points)
- Working partnership with international organizations (0,5 points)

**Training/Roles to develop:**

Roles to accomplish:

- Develop algorithms and methods to automatically analyze the data specially in CNS
- Analyze and write up data for scientific papers
- Support and collaboration in annual project reporting
- Opportunity to develop a PhD in Biomedical Imaging

**Contract/Fellowship characteristics:**

- Full time 40 hours/week
- Amount: 2.798 gross €/month
- Lenght: : 12 months renewable.
- Exclusive devotion.

**Deadline for application submission: 09/01/2020**

**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.*