

CONTRACT Ref:121/2017

**Research Project Title: OACTIVE. ADVANCED PERSONALISED, MULTI-SCALE COMPUTER MODELS PREVENTING OSTEOARTHRITIS.**

IIS La Fe has decided to publish a call for a job offer, by a competitive procedure, for a **University Degree: Medicine and Rehabilitation**, to perform the tasks in the framework of the Project 2017/0147. OACTIVE project intends to make a significant leap forward adopting a multi-scale holistic analysis where patient-specific information from various levels, including molecular (e.g. biochemical/inflammatory biomarkers), cell, tissue and whole body, will be integrated and combined with information from other sources such as, environmental, behavioural and social risk factors to generate robust predictors for new personalised interventions for delaying onset and/or slowing down progression of OA.

**Research Project ID:** 2017/0147

**Service/Unit/Accredited Group:** : REHABILITATION

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

University Degree: Physical medicine and Rehabilitation

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

- Medical doctor specialized in Physical medicine and Rehabilitation.
- Accredited training in musculoskeletal ultrasound diagnosis.
- Accredited training in Biomechanics and Functional Evaluation.
- Accredited training in biomedical research.
- Accredited update in Scientific evidence in Physical medicine and Rehabilitation of less than 5 years.
- Accredited professional competence in Medical English Language.
- Previous participation in Clinical Trials.
- Previous participation in Research Projects.
- Scientific publications with international impact.

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

Curriculum vitae

Academic track-record

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

- Knowledge and experience in diagnosis, evaluation and treatment of disability, and in particular of acute, subacute and chronic musculoskeletal disorders, specially the knee osteoarthritis.
- Capability of management with all the modalities (global management, conservative treatment, use of physical means, interventionism, use of assistance technology, etc.).
- Experience in practical application and clinical interpretation of methods of Biomechanical Functional Evaluation (dynamometry platforms, photogrammetry, posturography, goniometry, etc).
- Experience in clinical and functional evaluation of musculoskeletal system.
- Experience in gait evaluation by direct observation, detection of compensation mechanisms, application of scales, etc.
- Experience in use of modern diagnostic and therapeutic methods for the evaluation of joint and muscle systems (musculoskeletal ultrasound, ultrasound guided infiltrations, therapeutical interventionism techniques, etc.).
- Knowledge of International Classification of Functioning, Disability and Health system (ICF) and new functional concepts derived from it.

**Training/Roles to develop:**

- Support on project execution: deliverables writing and meetings assistance.
- Data collection and creation of personalized models.
- Massive data sources analysis, data quality, reliability and stability. Models optimization.
- Test of models efficiency.
- Evaluation of results and communication.

**Contract characteristics:**

- Full time 40 hours/week
- Amount: 3.822,86 € gross / month
- Length: : 12 months renewable according to availability
- Exclusive devotion.

**Deadline for application submission: 7 november 2017**

**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.*