

CONTRACT Ref:94/2018

EUTOXRISK21. AN INTEGRATED EUROPEAN 'FLAGSHIP' PROGRAM DRIVING MECHANISM-BASED. IIS La Fe has decided to publish a call for a job offer, by a competitive procedure, for a Research assistant (Bachelor/Associate's degrees, in chemistry / laboratory techniques), to perform the tasks in the framework of the Project 2015/0465. EU-ToxRisk – An Integrated European 'Flagship' Programme Driving Mechanism-based Toxicity Testing and Risk Assessment for the 21st century (681002 / H2020-PHC-2015) <http://www.eu-toxrisk.eu/>

The objective of EUToxRisk21 is to drive a paradigm shift in toxicology towards an animal-free, mechanism-based integrated approach to chemical safety assessment. The project will unite all relevant disciplines and stakeholders to establish: i) pragmatic, solid read-across procedures incorporating mechanistic and toxicokinetic knowledge; and ii) ab initio hazard and risk assessment strategies of chemicals with little background information. The project will focus on repeated dose systemic toxicity (liver, kidney, lung and nervous system) as well as developmental/reproduction toxicity. Different human tiered test systems are integrated to balance speed, cost and biological complexity. EUToxRisk21 extensively integrates the adverse outcome pathway (AOP)-based toxicity testing concept. Therefore, advanced technologies, including high throughput transcriptomics, RNA interference, high throughput microscopy, and LC- and GC-MS metabolomic approaches will provide quantitative and mechanistic underpinning of AOPs and key events (KE).

Research Project ID: 2015/0465

Service/Unit/Accredited Group: : Experimental Hepatology and transplant unit

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

Research assistant (Bachelor/Associate's degrees, in chemistry / laboratory techniques)

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

- Analytical and biological background
- Knowledge in chemical analysis (GC/LC/MS)
- Knowledge in analysis of biological samples (cells, biological fluids)
- Participation in research projects.
- Knowledge/ experience in basic techniques of molecular biology (DNA, RNA, miRNA handling).
- Previous use of DNA/RNA amplification techniques (PCR and RT-PCR).
- Skills in managing and presenting scientific data
- Sufficient knowledge of English that ensures proper understanding of scientific texts as well writing

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

General:

- Additional/Complementary courses and specific formation on the abovementioned skills and linked to the specific roles to develop in each level position.
- Other complementary education and skills for the main purpose of managing research projects and activities.
- Previous participation in research projects sponsored by competitive public calls and contracts.
- Courses and training taken in the analytical technologies requested in this call.

Specific: Academic track-record: Years of accredited work experience and its degree of relationship with the functions to perform.

Level 3: Scores in in the degree with emphasis in those matters related to the project

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

- Lab management skills (orders, safety rules, etc.)
- Languages (Other European languages, in addition to the specific English level required for each level.
- Stages abroad (Erasmus or equivalent, accordingly to the educational level)
- Computer skills (Offimatics, presentations, data bases).

Training/Roles to develop:

- Assistance in the analysis of biological samples by means of chromatography coupled to mass spectrometry
- Assistance in conducting molecular biology experiments according to protocols routinely used in the Unit
- Manipulation of human cells (transfection, transduction)

- Application of toxicity tests in cultured mammalian cells.
- Use of Cell Biology techniques and functional tests to characterize the hepatic phenotype of cells
- Assistance to researchers in the preparation of scientific manuscripts, seminars and congresses

Contract/Fellowship characteristics:

- Full time 40 hours
- Amount: 1.560,00 gross/month
- Length: : 6 months renewable.
- Exclusive devotion.

Deadline for application submission: 25/12/2018

Required documents On-Line 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.*