Clinical trial coordination for disruptive radiology assistant

Apply through www.sycaitechnologies.com or send us your CV to info info@sycaitechnologies.com

Sycai Technologies is a young biotech startup focused on increasing the detection of early-stage cancer and improving patient's life quality applying AI-based algorithms to medical image tests.

Our first product helps radiologists to detect, localize and classify pancreatic cystic lesions on CT scans. Combining the information of the images and data from the clinical history of the patient it predicts the probability of each lesion to evolve into pancreatic cancer, the 4th leading cause of death by cancer in Europe with a median survival time from diagnosis of 5 months.

Currently, the application of technology to healthcare services is opening many new opportunities. More specifically, AI has helped doctors saving time and resources, improving diagnosis, personalizing treatments and better interpreting the patients' reactions to drugs or therapies.

The project aims to identify and classify cystic lesions on abdominal CT scans through quantitative medical imaging and to evaluate their malignant potential combining this information with the clinical history of the patient.

We are looking for a candidate that will be responsible for the planning and management of the clinical studies, the enrolment, and the training initiatives, as well as responsible for maintaining compliance with institutional regulations. From evaluating research protocols to seeking approval from regulatory committees, the candidate will be in charge of the development of protocols and execution of procedures as well as responsible for ensuring that all procedures comply with regulatory processes and standard operating practices.

This opening will be financed through an H2020 action, so the economic conditions of the position will be extremely competitive. The starting data will be April 2021. We will select the best profile to apply together to the grant. The project will be part of a structured, long-term personal career development plan that is coherent with past achievements and clearly defines the future aims of the researcher.

Objectives and Tasks:
In this project we will develop and validate artificial intelligence techniques for detection and classification of cystic lesions on abdominal CT scans. A large part of the research will consist on the clinical evaluation of the automated tools developed in-house with the aim of enhancing early detection and improving lesion classification.

What you will do:

- Work in cooperation with our technical and scientific team, who will develop automated tools for image evaluation, mainly CT scans, and cancer detection (beginning with pancreatic cystic lesions that can evolve to pancreatic cancer).
- Coordinate clinical research projects in compliance with the Code of Federal Regulations.
- Provide technical support to Principal Investigators.
- Analyze protocol specific requirements and implement quality assurance measures to ensure physician, patient and clinical compliance.
- Coordinate all external audits and monitoring visits, serving as liaison between institutions and Sycai.
- Develop all study-related documents and procedures.
- Oversee the execution of protocols to be conducted at the site
- Be responsible for study recruitment, including the innovation of screening process to improve patient and clinical trial databases.
- Perform protocol defined procedures as required and develop new clinical trial protocols.
- Train and monitor research staff, medical students, fellows and medical doctors assigned to these protocols.
- Work towards the clinical translation of AI in precision cancer screening.
- Map, understand and engage with key centers for management of patients with conditions.
- Identify and establish strong scientific relationships with key opinion leaders.
- Disseminate scientific data to key opinion leaders, healthcare professionals, academic institutions and professional organizations.

Who you are:

- You are quick learner, analytical and have an entrepreneurial spirit with excellent problem-solving skills.
- You have exceptional written and verbal English and Spanish communication skills.
- You are able to manage multiple, shifting priorities in a fast-paced atmosphere with positivity and a calm demeanor.
- You have the ability to read, understand and learn study procedures from protocols.
- Having the availability to travel to different hospitals to follow up the studies is a plus.

Level of experience:

- You must hold a PhD in life sciences with 2 additional years of full-time research experience after obtaining the PhD or have at least 6 years of full-time equivalent research experience.
- Demonstrated knowledge of the clinical research setting, protocols, principles and standards and demonstrated experience conducting clinical trials.
- Certifications / licensures needed: SOCRA or ACRP.
- You have not carried out your main activity (work, studies) in Spain for more than 12 months in the 3 years immediately prior to the deadline for the submission of applications.

What we can offer:

- Full time 2-Years contract as researcher with competitive salary (35K-39K, EU grant)
- A young flexible and innovative work environment in contact with other entrepreneurs and start-ups. As we are being accelerated by EIT Health, Tecnocampus and Barcelona Activa through different programs and activities, right now our work centre is located at the Barcelona Activa Incubator in the centre of Barcelona (Spain).
- Flexible work-life balance, balancing working hours and home office.
- Growing together: we are an early stage company with a multidisciplinary team.
- Equal employment opportunity: we proudly pursue a diverse workforce and we do not make any hiring or employment decisions that could be discriminatory in any way.
- To begin in April 2021