POSITION: Image Analysis Developer – Nuclear Medicine

Make an impact at a dynamic and growing life sciences company. inviCRO seeks an accomplished scientist with experience in nuclear medicine physics and/or applications. The ideal candidate possesses graduate-level research experience as well as strong programming, image processing, and signal processing skills.

Overview:

This position is responsible for the development of analysis methodology, software tools, and algorithms for molecular imaging applications with a focus in nuclear medicine which may include, but is not limited to image registration, image segmentation, considerations in image reconstruction, technical support for DICOM and preclinical image formats, partial volume correction methods, tracer kinetic modeling, mechanistic modeling, general optimization techniques, and analyses of PET, SPECT, autoradiography, and gamma counter data.

Responsibilities:

- Develop image analysis methodology from concept through to validation, documentation, appropriate SOPs, and application in close cooperation with our research-driven customers
- Translate image analysis tools and methods from prototype to deployment, including integration into established software platforms and dissemination to colleagues and customers successfully
- Manage customer-specific analysis projects, including generation of appropriate inviCRO-standard supplemental materials (QC, plots, reports, spreadsheets) in parallel with project-specific analysis output
- Oversee an image analysis team to achieve short-term and long-term image analysis goals

Qualifications and Skills:

- PhD or Masters with 2 or more years of relevant experience in image science, computer science, or electrical engineering with a nuclear medicine focus
- Knowledge of imaging modalities, primarily SPECT and PET with some experience with CT, and/or MRI and data formats, particularly DICOM
- C++, including ITK & VTK, Matlab, and JavaScript expertise required, Perl preferred
- Strong analytical skills and ability to balance attention to detail while working to deadlines
- Ability to multitask and work to deadlines in an environment of change
- Ability to learn quickly on the job through mentoring and action
- Self-motivated and resourceful with good interpersonal skills
- Ability to independently manage workflow to see projects through from start to completion
- Strong programming, image processing, and signal processing skills are critical requirements

To apply: Send cover letter and resume indicating your authorization status to work in the United States to jobs@invicro.com. Please note job title in the subject line of the email.

Additional information about inviCRO

inviCRO, LLC, was founded in 2008 with a mission to apply imaging technology and tools to address biological questions in drug discovery and development. inviCRO provides state of the art contract research, advanced data analysis services and software for utilization in drug research. In collaboration with partner imaging centers, inviCRO offers full-service contract research in vivo imaging services utilizing SPECT, PET, MR, CT and optical imaging technologies, as well as ex vivo 2D and 3D autoradiography, fluorescence, and histology. Our multidisciplinary team of scientists develop unique imaging and bioinformatics tools that inform the design and analysis of imaging trials across many species and therapeutic areas. Our team brings together specialized knowledge in a broad range of disciplines, including advanced degrees in physics, optics, software engineering, electrical engineering, chemical engineering, mathematics, neuroscience, biomedical engineering and statistics.
We currently manage or support more than 250 pre-clinical and clinical imaging studies per year, processing more than 30,000 medical images per quarter. Our software products are helping scientists at more than half of the top 25 pharmaceutical companies. Visit www.invicro.com for more information.