The Vall d´Hebron Institute of Oncology (VHIO) Seeks an MR Research Physicist/Engineer to Join the Radiomics Group

Immediate Call for Applications

Position description:

The Vall d´Hebron Institute of Oncology´s (VHIO) Radiomics Group, headed by Raquel Perez-Lopez (MD, PhD), is currently seeking to appoint an MR Research Physicist/Engineer.

This post is a great opportunity to be involved in a broad range of cutting-edge imaging research within the translational research environment of the Vall d'Hebron Institute of Oncology (VHIO), Barcelona (Spain). VHIO is a leading Comprehensive Cancer Centre dedicated to translational cancer research and one of the world-leading drug-development centres for cancer care.

The Radiomics Group at VHIO is focused on medical image processing and the extraction of imaging biomarkers for precision medicine towards improving cancer patients' care. The candidate will be involved in several research projects such as 1) defining radiomics signatures of response to targeted-therapies and immunotherapy and 2) evaluating differential responses to targeted therapies towards the study of tumour evolution and mechanism of resistance, among others.

This role also involves working in close collaboration with the medical imaging groups at the Computer Vision Centre (CVC) in Barcelona (**www.cvc.uab.es**) and, particularly, with the Interactive and Augmented Modelling Group (**www.iam.cvc.uab.es**). The CVC comprises mathematicians and computer science engineers focused on cutting-edge imaging research with medical applications.

The successful candidate will assist in the development, implementation and analysis of functional and quantitative MR studies. This will include the design of scanner protocols, optimization of MR techniques and assisting with the analysis and interpretation of imaging data.

As this new group expands, the candidate will progressively acquire a supervision role over predoctoral students and other junior investigators.

The Radiomics Group at VHIO is committed to the continue training of their scientists and a personal training and development plan will be agreed with the candidate.

We seek:

An organized and motivated, team-oriented individual with previous experience in MR imaging and medical translational research. The ideal candidate should have previous experience in functional MR protocol implementation, optimization and analysis.

Being familiar with computer, problem solving and analytical skills will be positively considered.

The post-holder will be encouraged to initiate and lead research projects according to his/her interests in line with the group research strategy.

The candidate is expected to be able to communicate in English, even if it is not his/her first language. The candidate will progressively be involved in preparing grant proposals and scientific manuscripts.

The ideal candidate should be familiar with:

- Background in medical imaging research and imaging biomarkers development.
- MR protocol implementation and optimization.
- Doctoral degree or equivalent qualification in physics or engineering.
- Computer, problem solving and analytical skills.

Application:

Potential candidates should submit a curriculum vitae and letter of intent via email addressed to Raquel Perez-Lopez: rrhh@vhio.net

Review of applications will commence immediately.

About VHIO:

Established in 2006, the Vall d´Hebron Institute of Oncology (VHIO), Barcelona, Spain, is a leading comprehensive cancer centre of excellence where its scientists and research physicians adopt a purely translational research model, working together as multidisciplinary teams to both accelerate and advance personalized and targeted therapies against cancer.

Providing a stimulating, multidisciplinary research environment and undertaking one of Spain´s most dynamic cancer research programs, VHIO is dedicated to delivering on the promise of precision medicine in oncology by turning cancer discovery into more effective, tailored treatments and better practice for the care of patients with cancer.

Marking a new chapter in VHIO´s evolution and affording us with the valuable space through which to grow, our new home since September last year – the CELLEX Building, now brings all our teams under the same roof which is instrumental in further enhancing collaboration and the connection between our various programs.

To discover more about VHIO, its Faculty, research programs and activities visit: **www.vhio.net.**