



MEDICAL IMAGING SCIENTISTS – RADIATION ONCOLOGY DOHA, QATAR

The Department of Radiation Oncology, Al Amal Hospital has **two** vacancies for Medical Imaging Scientists. These roles have been created to support the development and implementation of next generation multimodal imaging technologies (MRI and PET-CT) techniques into the radiotherapy process. The Department of Radiation Oncology, Al Amal Hospital is located within the national cancer centre and is equipped with two Varian linear accelerators (1 Trilogy and IX) both configured with OBI, RapidArc and gating, one Siemens CT-SIM unit, a GE Optima wide bore MRI-SIM unit, all interfaced to AW AdvantageSIM and the ECLIPSE treatment planning system. Brachytherapy is provided with a Nucleoton HDR unit. PET-CT services are slated to commence in early 2012.

The **first post** will support a project focusing on the development of MRI based radiotherapy localization and planning requires strong medical image processing and analysis skills including segmentation, registration and image characterization. Some knowledge or experience of MRI is desirable. The **second post** will focus on characterization and correction of system and patient related distortions in MRI, the clinical application of rapid imaging sequences and the development of a framework for MRI based IGRT at the treatment unit. This post would suit an individual with a strong background in biomedical engineering or medical imaging physics with strong mathematical and programming skills. Both posts may also involve some work with PET-CT for radiotherapy treatment planning.

We are looking for individuals with proven expertise in medical imaging and signal/imaging processing as well as experience of working in applied research labs in the areas of medical imaging and image analysis. A PhD with at least one year post degree related experience or a Masters degree with at least 3 years of experience is essential. For both posts, the person is expected to possess strong implementation and programming skills.

We will offer an attractive package to successful candidates including a generous tax free basic salary, 40 calendar day's vacation, five local casual days, transport allowance, car loan facility, accommodation, annual return flights for you and your family and education for up to three dependents. Contracts are for three years initially, with an end of service gratuity of one month's salary for each year worked.

Doha is the capital city of the State of Qatar, home to the 2022 World Cup and a growing and vibrant city with a myriad of cafes, restaurants and sporting venues and a beautiful harbour. The city hosts the Doha Tribeca Film Festival, and is an excellent gateway for travel to Europe, Asia and the Far East. If you are interested in joining our team, we would like to hear from you! To apply, please forward a covering letter and your Curriculum Vitae to rgatdula@hmc.org.qa. Closing Date: December 15, 2011.

