

10093
Locum Senior Medical Physicist – Sunshine
Fixed-Term Full Time
Peter Mac
SUNSHINE RADIOTHERAPY
80 hours per fortnight



Clinical Implementation of IMRT and VMAT – 12 month position

An exciting opportunity exists for an experienced physicist to establish the IMRT and VMAT service at Sunshine Hospital Radiation Therapy Centre (SHRTC). SHRTC is part of the Peter Mac Callum Cancer Centre, the largest provider of radiotherapy services in Australia.

The \$42 million facility is equipped with state-of-the-art radiotherapy services including VMAT-capable Varian 21iX linear accelerators with On-board Imaging. Treatment planning for IMRT and VMAT will be performed with Elekta's Monaco Monte Carlo treatment planning system.

This position will be dedicated to the clinical implementation of IMRT and VMAT with three main goals:

Commissioning : of the equipment listed above and of the associated advanced physics technology including 2D devices (Gafchromic film, flat and cylindrical diode arrays, portal dosimetry), independent plan verification software and implementation of a networked commercial patient QA database. This work should integrate with existing physics services.

Site specific planning studies: assessment of which treatment delivery technology (3DCRT, IMRT or VMAT) offers the greatest benefit to patients will be an important part of this work.

Development and implementation of QA program: specific for IMRT and VMAT for the linear accelerators, treatment planning system and patient QA.

Close liaison with radiation oncologists, radiation therapists and physicists will be required to build on existing ground work and to enable a seamless handover on completion of the project. There may also be opportunities to work with Peter MacCallum staff at other sites and on international collaborations.

Candidates should ideally have a minimum ten years clinical experience in an advanced radiotherapy department. Experience with the commissioning and the clinical implementation of IMRT and VMAT, preferably on the equipment listed above, is essential.

Potential candidates should be capable of self-directed work and have excellent problem solving skills. Good oral and written communication skills are required, as is the ability to work effectively in a multi-disciplinary

department. The person must have a post-graduate qualification in medical physics and ACPSEM accreditation in Radiotherapy Equipment Commissioning and Quality Assurance, or an equivalent qualification.

The successful applicant will be appointed to the position of Medical Physicist, Grade 5, depending on credentials and experience. The award salary can be supplemented by generous salary packaging arrangements.

Ideally, the position is full time for 12 months. However, a part-time position extending over 24 months may be considered.

For enquiries please contact: Jim Cramb – Director, Physical Sciences – email jim.cramb@petermac.org telephone: +61 3 9656 1254
or Jenny Lydon, Physics Site Manager, Sunshine Radiotherapy – email jenny.lydon@petermac.org telephone +61 3 8395 9880

Applications for this position close on Friday 2nd September 2011.

***To apply or view more information please visit our website:
<http://petermac.mercury.com.au>***