



# BON SECOURS RADIOTHERAPY CORK

In partnership with UPMC Hillman Cancer Centre

## Job Description

Post Details	
<b>Post:</b>	<b>Medical Physicist</b>
<b>Reports To:</b>	<b>Chief Medical Physicist</b>
<b>Accountability To:</b>	Operations Manager, Chief Medical Director and all Managers and Clinical Staff

Overview of the Post
Conducts all aspects of Radiation Oncology physics including equipment calibration and commissioning, clinical support, maintenance of appropriate quality assurance for equipment and treatment delivery, compliance with radiation safety and licensing issues.

Responsibilities of the Post
<ol style="list-style-type: none"><li>1. Responsible for the systematic measurement, documentation, and assurance of the physical and dosimetric aspects of all radioactive sources/radiation producing equipment used in Radiation Oncology. Performs acceptance testing and commissioning of all treatment-related equipment under supervision. This includes calibration of all radiation producing sources and maintenance of all information for their appropriate use.</li><li>2. Maintains a comprehensive quality assurance program that ensures patients are provided tumour localization, radiation treatment, and dose distributions as prescribed. This includes assurance of the accuracy of treatment unit parameters.</li><li>3. In collaboration with team, responsible for the development of treatment plans, acquisition and storage of data for treatment plans, calculation of dose distributions and machine settings for treatment delivery.</li><li>4. Provides consultation to the Radiation Oncologist, and translates the desired treatment plan into a set of instructions for radiation therapists to execute.</li><li>5. Participate and become competent in the physics support for prostate Brachytherapy.</li><li>6. To continue to keep abreast of latest developments pertaining to current practices within the field of Radiation Oncology Physics.</li><li>7. Initiates and/or collaborates on related research projects with other UPMC Physicists in Radiation Therapy in the Division of Medical Physics.</li><li>8. Performs some organization and administration skills in the clinical practice of Radiation</li></ol>

Oncology Physics.

9. Responsible for the compliance with EPA/ORP Rules and Regulations.

**Standard Responsibilities**

Performs in accordance with system-wide competencies/behaviors.

Performs other duties as assigned.

Lives the UPMC Values

**Working Conditions / Environmental Factors**

The Medical Physicist works indoors in Radiation Oncology. As this position includes exposure to radiation, physicists are required to wear a film badge, which is read according to RPII regulations, and adhere to radiation policies/procedures established by the hospital. Medical physicists are required to follow universal precautions and infection control policies. Medical physicists are also required to comply with all policies/procedures in regards to handling hazardous materials and personal protection.

**Person Specification**

<b>Qualifications:</b>	PhD or MSc from an accredited program in Medical Physics or related field.
<b>Experience:</b> (Amount and Type)	Experience with 3-D conformal radiotherapy, brachytherapy and treatment planning systems is required, and radiosurgery and IMRT are highly desirable.
<b>Job Specific Competencies and Knowledge:</b>	Licensure/Certification: Irish / European / US / Canada appropriate license.

**This job description is intended to be an outline of the areas of responsibility and deliverables at the time of its writing. As the Cancer Centre and the post holder develop, this job description may be subject to review in light of the changing needs of the Centre.**

<b>Job Description Received:</b>			
	Name	Signed	Date