NHS
Portsmouth Hospitals University
NHS Trust

Job Description

Title: Clinical Scientist in Radiotherapy Physics

Band: 7

Staff Group: Clinical Scientist

Reports to: Head of Quality Control or Head of Treatment Planning

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Job Purpose:

Work within the Radiotherapy Physics Section of the Portsmouth Medical Physics Department. The role provides a flexible mix of responsibilities within the Radiotherapy Physics Section; duties may include treatment planning, quality control, research and development, support to clinical trials.

Key Responsibilities

- To provide specialised scientific support in the field of Radiotherapy Physics involving a broad range of specialised, complex, routine and non-routine scientific work specifically in; quality control of radiotherapy equipment, radiation dosimetry, external beam treatment planning and brachytherapy planning.
- Support the safe introduction, application and optimisation of new techniques and developments, contributing to service, protocol and procedure development for this area of work.
- Undertaking development and research work, scientific publication, as appropriate. Contribute to supervision of BSc, MSc, PhD projects as appropriate, or other development activities.
- Assist with the training and supervision of dosimetrists, pre-registration Clinical Scientists, Clinical Scientists, and other students in the department.
- Take responsibility for specific functions within the service.

Organisational Chart

Available on request

Other

This job description does not purport to cover all aspects of the job holder's duties but is intended to be indicative of the main areas of responsibility

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Person Specification

Qualifications

Essential

- BSc in physics or relevant physical science
- MSc or equivalent (or near completion) in relevant subject, ideally Medical Physics
- HCPC registration as a Clinical Scientists in Medical Physics, (or near-completion of registration with initial appointment at a lower grade).

Desirable

- PhD in related subject area

Experience

Essential

- At least three years' experience working in a relevant subject area
- Experience working in radiotherapy physics treatment planning
- Experience working in radiotherapy physics quality control

Desirable

- Experience managing projects.
- Experience conducting research and development activities.
- Experience supervising staff.

Skills & Knowledge

Essential

- Effective communication skills, both written and spoken
- Able to organize own work, data, documentation
- Able to provide leadership and supervision for projects and the work of others
- Able to prioritise work according to service demands
- Analytical approach to problem solving
- Experience using computers and standard Microsoft Office applications (Excel and Word) to a high level.

- Able to analyze facts and data methodically and accurately and extract significance
- Able to perform complex scientific measurements and tests with high precision, speed and accuracy, occasionally in hazardous conditions (ionising radiation sealed sources)
- Able to work carefully, safely and competently with highly complex & costly equipment
- Understanding and ability in working safely with radiation sources, machines and of ionizing radiation legislation
- Able to provide teaching and training to professional, clinical and support staff

Desirable

- Experience using advanced data handling packages (e.g. Matlab, IDL) and computer programming languages (e.g. Python)
- Experience of research and development
- Good leadership skills
- Able to work independently and within different teams
- Experience of working safely whilst under pressure
- Able to balance competing priorities and demands within pressing time-scales

Working Together For Patients with Compassion as One Team Always Improving

Strategic approach (clarity on objectives, clear on expectations)

Relationship building (communicate effectively, be open and willing to help, courtesy, nurtures partnerships)

Personal credibility (visibility, approachable, back bone, courage, resilience, confidence, role model, challenge bad behaviour, manage poor performance, act with honesty and integrity)

Passion to succeed (patient centred, positive attitude, take action, take pride, take responsibility, aspire for excellence)

Harness performance through teams (champion positive change, develop staff, create a culture without fear of retribution, actively listen and value contribution, feedback and empower staff , respect diversity)

Job holders are required to act in such a way that at all times the health and well being of children and vulnerable adults is safeguarded. Familiarisation with and adherence to the Safeguarding Policies of the Trust is an essential requirement for all employees. In addition all staff are expected to complete essential/mandatory training in this area.

Print Name:

Date:

Signature: