

Job Description

Title: Clinical Scientist

Band: 7

Staff Group: Clinical Scientists (Medical Physics)

Reports to: Deputy Head of Nuclear Medicine Physics

Job Purpose:

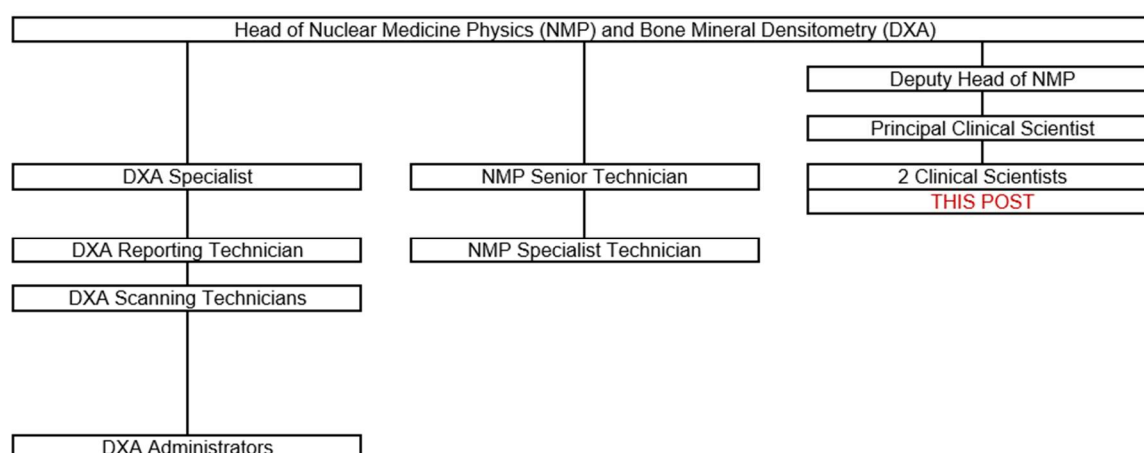
- To manage own work, for areas of responsibility.
- To participate in scientific support and clinical services for Nuclear Medicine Physics.
- To participate in scientific support for Nuclear Medicine and other departments, including external contracts.
- To maintain own registration, by performing/recording own CPD.
- To train other Clinical Scientists, including Route 1 Trainee Clinical Scientists and Route 2 Trainee Clinical Scientists.

Key Responsibilities

- Areas of responsibility are defined and delegated by the Head of Nuclear Medicine Physics and Bone Densitometry and the Deputy Head of Nuclear Medicine Physics.
- Manage own work. Entailing highly complex and highly specialised scientific support, for equipment management, radiodiagnostic tests, radiotherapeutic treatments and radiation protection. Ensuring scientific services are prioritised and performed, to the required standards in the required timescales, via responsive strategies.
- Accurate and appropriate use of specialised complex software, including application software (e.g. Microsoft Office) and utility software (e.g. clinical applications).
- Participate in and propose changes to review/revision of Standard Operating Procedures, managed via the Quality Management System (QMS). For example, incorporating guidance, policy and research.
- When discharging duties to communicate with members of multi-disciplinary teams, like clinicians, duty holders and managers, in consideration of different roles/responsibilities and different expertise/experiences, to ensure the optimal outcome for patients and services.
- Regarding radiation protection, the postholder will adhere to and apply all trust policies and local procedures for:
 - The Environmental Permitting (England and Wales) Regulations for the storage and use of radioactive materials and the accumulation and disposal of radioactive waste.
 - The Ionising Radiations Regulations for the protection of the public and staff.
 - The Ionising Radiation (Medical Exposure) Regulations for the protection of the patients.
- Under the Environmental Permitting (England and Wales) Regulations:
 - Follow trust policies and local procedures for managing the sealed sources.
 - Follow trust policies and local procedures for storage of unsealed and disposal of radioactive waste.
- Under the Ionising Radiations Regulations:
 - Participate in review/revision of general radiation risk assessments, for service specific work.
 - Perform as required any personal radiation risk assessments, for patient specific procedures.
 - Follow the Local Rules.

- Under the Ionising Radiation (Medical Exposure) Regulations:
 - Participate in submission of new/amendment applications for Employer/Practitioner licences to the Administration of Radioactive Substances Advisory Committee (ARSAC).
 - Participate in review/revision of IR(ME)R procedures.
 - Participate in audit of compliance with IR(ME)R.
 - Participate in equipment management.
For example, acceptance testing and routing testing, also, updating SOPs and performing audits.
For non-imaging equipment, like radionuclide calibrators, intraoperative probes and automatic sample counters.
For imaging equipment, like SPECT-CT scanners and PET-CT scanner.
 - Act as an operator, for non-imaging tests and radionuclide treatments.
For non-imaging tests, like Glomerular Filtration Rate Tests and Bile Acid Malabsorption Tests.
For radionuclide treatments, like radioiodine therapy for benign thyroid disease and thyroid cancer.
 - Participate in implementation/optimisation of non-imaging tests, imaging tests and radionuclide treatments.
 - Supporting clinical trials.
 - The postholder will adhere to and apply all trust policies and local procedures for health and safety, including moving and handling, infection control and COSHH, as applicable.
 - Responsibilities frequently require the analysis of highly complex issues in order to advise on multiple potential options, drawing on advanced theoretical knowledge and practical experience. Providing advice involves communicating highly complex information to other healthcare professionals and acting with limits of knowledge and skills. Clinical advice occasionally involves exposure to highly emotional circumstances.
 - Supplies and services will be ordered and obtained, according to procedures for Medical Physics and Portsmouth University Hospitals NHS Trust.
 - To support the training of Route 1/Route 2 Trainee Clinical Scientists in Nuclear Medicine/PET. Additionally, as required to support the training of Radiographers/Technologists in Nuclear Medicine Physics.
 - To deliver training in Nuclear Medicine, PET and radiation protection to colleagues from different departments at Portsmouth Hospitals University NHS Trust, and under contract with external providers, as applicable.
 - Regarding Continuing Professional Development (CPD), to carry out CPD activities, to maintain professional registrations as a Clinical Scientist with the HCPC. Additionally, participate in the CPD Scheme provided by the Institute of Physics and Engineering in Medicine (IPEM).
 - To provide lectures and supervise projects in Nuclear Medicine/PET, in collaboration with academic partners, like the University of Portsmouth.
 - To propose and participate in research and development, and publish and present at local and national level.
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Organisational Chart



Management Essentials

We are proud to offer a comprehensive development programme, Management Essentials, designed to equip staff with the skills and knowledge to become effective managers.

This post has been identified as a role that will benefit from this training, and you will be able to enrol in both mandatory and, relevant, optional modules upon commencement with the Trust.

Please click [here](#) for further information on the Management Essentials programme.



Leadership Insights

Additionally, our new leadership development programme, Leadership Insights, aims to help all newly promoted, existing and aspiring leaders, at every level at the Trust, to recognise, reflect and role model the core principles of people-centred leadership.

If, this is of interest to you, you will be able to enrol upon commencement with the Trust.

Please click [here](#) for further information on the Leadership Insights programme.

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.

Person Specification

Qualifications

Essential

- Undergraduate Degree (BSc or MPhys) in Physics (Or Related Physical Science)
- Postgraduate Degree (MSc or MPhil) in Medical Physics

- Registration as Clinical Scientist with Health and Care Professions Council

Skills & Knowledge

Essential

- Ability to prioritise, plan and perform own work, to meet dynamic priorities of service.
- Ability to take initiative, lead and organise team work, to achieve long-term aims of service.
- Ability to work at sites in Portsmouth, and as applicable, elsewhere in Hampshire.
- Ability to communicate highly complex information, in verbal and written forms, to patients, professionals and public.
- Good theoretical knowledge and practical experience of Nuclear Medicine and PET.
- Application of theoretical knowledge and practical experience to practically solve problems.
- Highly developed physical dexterity and accurate data analysis for practical work.
- Application of radiation protection for safely working with ionising radiation.
- Advanced computational and numerical skills.

Desirable

- Experience of training Clinical Scientists.
- Planning, performing, publishing and presenting research.

Personal Qualities

- Flexibility regarding patterns of working, for example, occasional planned and unplanned early starts and late finishes.
 - Flexibility regarding approach to arriving at optimal outcomes.
 - Diplomacy and collaboration in multi-disciplinary team working.
 - Discretion and compassion in distressing emotional circumstances.
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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 wellbeing 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: