





**PERSON SPECIFICATION**

**POST TITLE: Principal Physicist, Radiological Physics and Radiation Safety, Band 8b**

		<b>Essential (E) Desirable (D)</b>	<b>Assessed through: App Form (A) Interview (I)</b>
<b>Royal Free World Class Values</b>	<ul style="list-style-type: none"> <li>Demonstrable ability to meet the Trust Values</li> <li>positively  welcoming</li> <li>actively  respectful</li> <li>clearly  communicating</li> <li>visibly  reassuring</li> </ul>	<ul style="list-style-type: none"> <li>E</li> </ul>	<ul style="list-style-type: none"> <li>A / I</li> </ul>
<b>Education &amp; professional qualifications</b>	<ul style="list-style-type: none"> <li>Honours First Degree in Physics or equivalent, or containing a major physics component</li> <li>Postgraduate degree or equivalent in medical or radiation physics</li> <li>Successful completion of the MSC Scientist Training Programme in either Radiation Safety or Imaging with Ionising Radiation, or equivalent</li> <li>HCPC registered as a Clinical Scientist</li> <li>Certificate of competence to act as a Medical Physics Expert</li> <li>Certificate of competence to act as a Radiation Protection Adviser</li> </ul>	<ul style="list-style-type: none"> <li>E</li> <li>E</li> <li>E</li> <li>E</li> <li>E</li> <li>D</li> </ul>	<ul style="list-style-type: none"> <li>A</li> <li>A</li> <li>A</li> <li>A</li> <li>A</li> <li>A</li> </ul>
<b>Experience</b>	<ul style="list-style-type: none"> <li>Appropriate and sufficient experience to be appointable as an MPE for the group's work</li> <li>Appropriate and sufficient experience to be appointable as an RPA for the group's work</li> <li>Appropriate and sufficient experience to be appointable as an operator under IR(ME)R</li> <li>Active evidence of pursuing professional advancement (CPD)</li> <li>Experience of supervising other staff and trainees</li> </ul>	<ul style="list-style-type: none"> <li>E</li> <li>D</li> <li>E</li> <li>E</li> <li>E</li> </ul>	<ul style="list-style-type: none"> <li>A / I</li> <li>A / I</li> <li>A / I</li> <li>A / I</li> <li>A / I</li> </ul>

	<ul style="list-style-type: none"> <li>• Experience of training a wide range of professionals in radiation safety</li> <li>• Experience of setting up and supervising research projects</li> </ul>	<ul style="list-style-type: none"> <li>• E</li> <li>• D</li> </ul>	<ul style="list-style-type: none"> <li>• A / I</li> <li>• A / I</li> </ul>
<b>Skills and aptitudes</b>	<ul style="list-style-type: none"> <li>• Advanced specialist knowledge and skills in diagnostic radiology physics and the techniques employed to measure the performance and radiological safety of state of the art x-ray imaging equipment</li> <li>• Advanced specialist knowledge and skills in practical radiation safety, relevant legislation and standards</li> <li>• Specialised knowledge of wider clinical issues and their implications in diagnostic imaging</li> <li>• High level of understanding of patient and staff risks associated with ionising radiation</li> <li>• Understanding of incident reporting pathways in the context of diagnostic imaging</li> <li>• Ability to design and implement clinical and service audits.</li> <li>• Ability to identify relevant areas for R&amp;D focus</li> <li>• Excellent interpersonal and communication skills including report writing and presentations</li> <li>• Ability to communicate with staff at all levels within the organisation and external agencies and provide highly specialist advice</li> <li>• Ability to explain complicated concepts of diagnostic imaging and radiation risks to lay persons</li> <li>• Ability to communicate complex information at postgraduate level to other professional groups</li> <li>• Ability to present scientific papers at national and international conferences</li> <li>• Advanced analytical, reasoning and problem solving skills</li> <li>• Advanced scientific skills including application of scientific method and interpretation of data</li> <li>• Advanced report writing skills</li> <li>• Ability to deliver training on complex subjects</li> </ul>	<ul style="list-style-type: none"> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> </ul>	<ul style="list-style-type: none"> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> </ul>

	<ul style="list-style-type: none"> <li>• Ability to give radiation safety advice to patients in differing circumstances</li> <li>• IT literate and competent in the use of Excel, Word and Powerpoint</li> <li>• Ability to use image analysis software</li> <li>• Ability to use patient dose management systems</li> <li>• Ability to operate highly complex equipment with a high degree of accuracy</li> <li>• Highly developed skills to manipulate complex diagnostic tools</li> <li>• Ability to undertake manual lifting – for example setting up a technical test</li> </ul>	<ul style="list-style-type: none"> <li>• E</li> <li>• E</li> <li>• E</li> <li>• D</li> <li>• E</li> <li>• E</li> <li>• E</li> </ul>	<ul style="list-style-type: none"> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> </ul>
<b>Personal Qualities &amp; attributes</b>	<ul style="list-style-type: none"> <li>• Ability to be flexible and adaptive and to show initiative</li> <li>• Ability to work effectively within a team</li> <li>• Ability to work unsupervised</li> <li>• Ability to undertake and promote innovative work</li> <li>• Ability to concentrate frequently when subjected to unpredictable work patterns</li> <li>• Ability to concentrate for prolonged periods</li> <li>• Ability to deal with distressing circumstances</li> <li>• Self motivated, organised and able to work to deadlines</li> </ul>	<ul style="list-style-type: none"> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> <li>• E</li> </ul>	<ul style="list-style-type: none"> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> <li>• A / I</li> </ul>
<b>Others</b>	<ul style="list-style-type: none"> <li>• Clean driving license</li> <li>• Own car for visits to other hospitals carrying equipment</li> </ul>	<ul style="list-style-type: none"> <li>• D</li> <li>• D</li> </ul>	<ul style="list-style-type: none"> <li>• A</li> <li>• A / I</li> </ul>