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| Human Resources |  | Date of Completion: 17 August 2017  Page: 1 of 2 |

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| **PERSON SPECIFICATION**  **Assessment for recruitment requirements and competencies** |

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| **POST TITLE:** | Beamline Scientist/Senior Beamline Scientist |
| **DIVISION/DEPARTMENT:** | Physical Science |
| **REPORTS TO:** | Principal Beamline Scientist I13 |

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|  |  | **SPECIFY**  **ESSENTIAL (E) DESIRABLE (D)** |
| **SKILLS/ABILITIES** | * Self-motivated with the ability and initiative to get to the heart of the problem and take it effectively through to completion. | E |
|  | * Excellent interpersonal, communication and presentational skills. | E |
|  | * Ability to interact effectively with staff and facility users at all levels. | E |
|  | * Good problem-solving skills with the ability and initiative to get to the heart of the problem and take it effectively through to completion. | E |
|  | * Ability to work collaboratively as part of a multi-disciplinary team. | E |
|  | * Ability to follow Health, Safety and Environmental policies and procedures. | E |
|  | * Excellent observational skills. | E |
|  | * Good organisational and planning skills. | E |
|  | * Ability to lead own research project including budget and resource management. | E |
|  | * Ability to effectively engage with and manage a small team. | D (E for senior role) |
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| **KNOWLEDGE** | * Relevant synchrotron research experience. | E |
| **AND EXPERIENCE** | * Experience or knowledge of synchrotrons. | E |
|  | * Experience of beamline instrumentation. | E |
|  | * Experience of software packages and programming. | E |
|  | * Demonstrated ability to develop an independent research programme and successful scientific publication record. | E |
|  | * Experience in coherence, microscopy, imaging or tomography. | E |
|  | * Project management experience. | D (E for Senior role) |
|  | * Experience of beamline design, construction, commissioning and operation. | D (E for Senior role) |
|  | * Experience in supporting Scientists in the conduct of research in a synchrotron or equivalent facility. | D (E for senior role) |
|  | * Experience in ptychography or Bragg-CDI, data analysis, including reconstruction techniques. | D (E for Senior role) |
|  | * Experience in additional techniques such as tomography or fluorescence. | D (E for Senior role) |
|  | * Experience of managing a beamline for users. | D (E for Senior role) |
|  | * Actively engaged in a research programme in one of the following areas: materials science, bio-medical research, energy science, environmental science and geology, chemistry or engineering. | D (E for Senior role) |
|  | * **For appointment at the Senior Beamline Scientist level, candidates will have significant expertise of synchrotron imaging.** | E |
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| **PROFESSIONAL** | * Appropriate first degree or equivalent. | E |
| **QUALIFICATIONS/ TRAINING** | * PhD degree/Second degree in chemistry, physics, biology, materials science or related discipline. | E |
| \*Where a job requirement | * Post-doctoral experience in a relevant science area: chemistry, physics, biology, material science. | D (E for senior role) |
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| **COMPETENCIES**  e.g. Technical, Professional, Management, Other | * Ability to work flexibly with occasional weekend and out of hours working. | E |
| * Available to travel occasionally within the UK and abroad, including overnight absences. | E |
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