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