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| Human Resources |  | Date of Completion: 26/04/2021  Page: 1 of 1 |

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

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

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|  |  | **SPECIFY ESSENTIAL (E) DESIRABLE (D)**  **(beamline scientist in brackets)** |
| **SKILLS/ABILITIES** | * Good interpersonal, communication and presentational skills; | E (E) |
|  | * Ability to interact effectively with staff and facility users at all levels; | E (E) |
|  | * Ability to work flexibly with occasional weekend and out of hours working; | E (E) |
|  | * Ability and initiative to get to the heart of the problem and take it effectively through to completion; | E (E) |
|  | * Ability to work as part of a multi-disciplinary team; | E (E) |
|  | * Self-motivation; | E (E) |
|  | * Must be available to travel occasionally in UK and overseas including overnight absences; | E (E) |
|  | * Excellent observational skills; | E (E) |
|  | * Good organisational and planning skills; | E (E) |
|  | * Ability to manage a small team. | D (D) |
| **KNOWLEDGE AND EXPERIENCE** | * A collaborative research program in a science area relevant to the beamline * An independent research program in a science area relevant to the beamline; | D (E)\*  D (E) |
|  | * Experience and knowledge of synchrotrons; | D (E) |
|  | * Experience and knowledge of imaging techniques relevant for the Diamond-Manchester Imaging branch which are: X-ray Tomography, Phase contrast imaging, grating interferometry, X-ray microscopy | E (E) |
|  | * Experience in data processing and analysis for tomography and imaging; | E (E) |
|  | * Experience in beamline X-ray optics and X-ray instrumentation, including X-ray detectors; | D (E)\* |
|  | * Demonstrated ability to develop an independent research program and successful scientific publication record; | D (D) |
|  | * Experience of beamline design and construction; | D (E) |
|  | * Experience in supporting Scientists in the conduct of research in a synchrotron or equivalent facility; | D (E) |
|  | * Project management experience; | D (D) |
|  | * Programming skills in Python or a similar language.   \*at least one requirement is essential for the senior support scientist position | D (D) |
| **PROFESSIONAL** | * Appropriate first degree or equivalent; | E (E) |
| **QUALIFICATIONS/ TRAINING** | * PhD degree/Second degree in chemistry, physics, biology, materials science or equivalent; | E (E) |
| \*Where a job requirement | * Post-doctoral experience in a relevant science area: chemistry, physics, biology, material science. * Experience in large-scale facility operation:   Synchrotron, Neutron or similar | D (E)  D (E) |
| **COMPETENCIES**  e.g. Technical, Professional, Management, Other | * Ability to work flexibly with occasional weekend and out of hours working. * Available to travel occasionally within the UK and abroad, including overnight absences. | E  E |