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| Human Resources |  | Date of Completion: 14/11/2018  Page: 1 of 1 |

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

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| **POST TITLE:** | **Beamline Scientist / Senior Beamline Scientist I14** |
| **DIVISION/DEPARTMENT:** | **Science** |
| **REPORTS TO:** | **Principal Beamline Scientist** |

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|  |  | **SPECIFY ESSENTIAL (E) DESIRABLE (D)**  **(senior 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 organizational and planning skills | E (E) |
|  | * Ability to manage a small team | D (E) |
| **KNOWLEDGE AND EXPERIENCE** | * An independent research program in a science area relevant to the beamline | E (E) |
|  | * Experience and knowledge of synchrotrons | E (E) |
|  | * Experience and knowledge of techniques used on the X-ray nanoprobe to include one of more of : X-ray Fluorescence mapping, X-ray Absorption Spectroscopy (XANES), X-ray diffraction, ptychography or tomography | E (E) |
|  | * Experience in data processing and analysis for XRF, XRD or ptychography to include handling large data sets | 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 (E) |
|  | * 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 (E) |
|  | * Programming skills in Python or a similar language | D (E) |
| **PROFESSIONAL** | * Appropriate first degree or equivalent qualification | E (E) |
| **QUALIFICATIONS/ TRAINING** | * PhD degree/Second degree in chemistry, physics, biology, materials science or related discipline or equivalent | E (E) |
| \*Where a job requirement | * Post-doctoral experience in a relevant science area: chemistry, physics, biology, material science | D (E) |