

**JOB DESCRIPTION**

POST TITLE	Senior Support Scientist (Generic)		
DIVISION/DEPARTMENT	Science		
REPORTS TO	Principal Beamline Scientist	GRADE	5

**AIM**

To collaborate with the Principal Beamline Scientist for the commissioning and operation of the beamline. Work closely with other scientists and support groups within Diamond to ensure smooth operation of the beamline providing beam time to the scientific user community.

**ACCOUNTABILITIES**

**User support**

Support the scientific research projects of external and internal users (applying specialist scientific knowledge) to enable them to perform their experiments on the beamline, including:

1. Act as a single point of contact (“Local Contact”) for users, to enable the successful completion of their experiments within the allocated beamtime.
2. Communicate effectively and in a timely manner with users, to establish and implement the requirements in time for their scheduled experiment.
3. Provide technical and scientific expertise to users, advising on the best possible strategy for experimental and data collection procedures including data analysis.
4. Actively participate in pre- and post-experimental scientific discussions to enable the publication of the results in peer reviewed journals.
5. Setting up multiple complex and bespoke pieces of equipment to meet the requirements for the user’s experiments.
6. Training users in the safety procedures, including radiological Personnel Safety System and laboratory safety, to enable them to work safely while on site.

**Beamline and, where applicable, peripheral lab development**

7. Manage the development, procurement, testing, installation, and maintenance of bespoke scientific equipment and software to perform novel experiments on the beamline and the peripheral laboratory.
8. Create and maintain a comprehensive and up to date beamline operation documentation including training materials and tutorials for users.
9. Work with the Principal Beamline Scientist on strategies and implementations for improvements to operational procedures and beamline component development.
10. Manage the day-to-day coordination of support groups at Diamond to implement beamline upgrade projects, to improve the quality of the beamline, develop solutions for emerging problems, and ensure its smooth operation.
11. Provide input and recommendations in safety aspects of the beamline and peripheral

laboratories, including risk and COSHH assessments, where necessary.

12. Managing the day-to-day operation of the beamline peripheral support laboratories, where applicable; overseeing activities, and ensuring safe working environment for preparation of samples.

**Scientific research**

13. In line with the beamline strategy, devise, perform, and collaborate on in-house and external scientific experiments, collect and analyze data, and disseminate results.

**Outreach and Public Engagement**

14. Promote Diamond externally; this could include public outreach activity and engaging with the scientific community.

**Because of the changing nature of our business your job description will inevitably change. You will, from time to time, be required to undertake other activities of a similar nature that fall within your capabilities as directed by management.**

**As this is a generic job description, it should not be amended or modified. If there are key accountabilities that specifically befall the role holder, these are to be attached to the job description by way of an appendix. The content of the generic job description will be reviewed by the Science Directors from time to time and any changes will be communicated accordingly.**