

## Candidate Information

**Position:** Laboratory Manager (Part-time 0.2 FTE)  
**School/Department:** School of Chemistry and Chemical Engineering  
**Reference:** 25/113051  
**Closing Date:** Monday 5 January 2026  
**Salary:** £41,519 - £49,536 per annum.  
**Anticipated Interview Date:** Wednesday 21 January 2026  
**Duration:** 33 months

### JOB PURPOSE:

To operate and maintain the School's photocatalyst test centre (PTC) and act as supervisor for second year undergraduate Physical Chemistry practicals.

### MAJOR DUTIES:

1. Handle all interactions with the PTC customers, field all enquiries, organise the delivery and then carry out the assessment of any samples; prepare and send off the final reports and answer any subsequent customer queries.
2. Maintain and update the PTC website, <https://www.iphotocat.com/>.
3. Train research students on the photocatalyst test systems and, whenever possible or needed, assist them in running their samples.
4. Prepare and use photocatalyst activity indicator inks and solutions for testing commercial and research laboratory photocatalytic samples.
5. Revise and update the laboratory manuals for the second year undergraduate Physical Chemistry practicals and prepare the appropriate assessments.
6. Contribute to the preparation of the laboratory timetable, including catch-up sessions.
7. Mark laboratory reports and provide feedback to students. Monitor individual performances to identify at risk student and, where necessary, notify the appropriate module co-ordinator and advisor of studies.
8. Whilst in the laboratory, ensure all Health & Safety aspects of the laboratory are understood and followed.
9. Train the postgraduate demonstrators in the teaching laboratory and oversee their performance providing useful feedback. This will include explaining each experiment, the FAQs they might encounter, health and safety aspects they should be aware of and parts of each experiment that might need particular care to ensure success.
10. Work closely with the technical support staff to ensure, in advance of the start of each laboratory, that the necessary solutions are prepared and equipment laid out. Test the key items of equipment (including UV/Vis spectrophotometers and HPLC) before and after each class, to identify, and then highlight to the technical support staff, any problems that need to be resolved before the next laboratory.
11. Read academic papers, journals and textbooks to keep abreast of developments in the relevant fields associated with the work.

### ESSENTIAL CRITERIA:

1. Awarded, a PhD in physical chemistry.
2. Experience in managing a Physical Chemistry teaching laboratory.
3. Demonstrated experience in testing photocatalytic products, using the appropriate photocatalyst ISOs, for VOC and NOx destruction and water disinfection.
4. Preparing and testing photocatalyst indicator inks.
5. Specific, relevant research experience to include: Demonstrable experience in photocatalyst related research.
6. Demonstrable ability to handle accounts, work with customers (industrial and academic), deliver results in a timely manner.
7. Sufficient breadth and depth of specialist knowledge in photocatalysis and teaching in a physical chemical laboratory, and the associated techniques, to carry out the duties of laboratory manager, demonstrator and worker in a photocatalyst test centre and University teaching laboratory.

8. Ability to communicate complex information clearly to students, customers and members of staff.
9. Ability to build contacts and participate in internal and external networks.
10. Demonstrable ability to provide material, manuals, updates, reports etc, in a timely manner.
11. Demonstrable intellectual ability.
12. Ability to engage readily with students and staff alike.
13. Ability to assess and organise resources.

**DESIRABLE CRITERIA:**

1. Specific, relevant experience in university undergraduate and post-graduate education.
2. Experience in mentoring PhD and MSc students.

**ADDITIONAL INFORMATION:**

Informal enquiries can be directed to: Panagiotis Manesiotis - [p.manesiotis@qub.ac.uk](mailto:p.manesiotis@qub.ac.uk).