

## Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7

[Apply Now](#)

Company: University of Birmingham

Location: United Kingdom

Category: life-physical-and-social-science

### Summary

To undertake research on synthesis and characterisation of photodegradable materials for capture and selective release of biomarkers in biological fluids, development of analytical methods for measurement of biomarkers, and benchmarking against ELISA.

To support research within Gupta group to solve problems, collaborate and innovate in scientific directions for the group.

To produce regular written and oral reports pertaining to the projects; attend regular project and group meetings; give regular presentations to the group and collaborators; write papers for publication in peer reviewed scientific journals, proof reading of papers and reports.

To supervise research students, be responsible for installation and maintenance of equipment and training of personnel on equipment.

### Main Duties

The responsibilities may include some but not all of the responsibilities outlined below.

Collect, analyse, and interpret research data; this may be through a variety of research methods, such as scientific experimentation, literature reviews, and research interviews.

Apply knowledge in a way which develops new intellectual understanding.

Contribute to developing ideas, directions, research objectives, models, techniques, and methods.

Disseminate research findings for publication, research seminars etc.

Supervise/guide students on research related work.

Undertake management/administration arising from research.

Deal with problems that may affect the achievement of research objectives and deadlines.

### **Person Specification**

PhD (or near to completion) in Chemistry, or equivalent qualifications.

Significant experience in organic synthesis of monomers and crosslinkers with photoremovable protecting groups and dyes/fluorophores/probes.

Significant experience in purification and characterisation (., HPLC, NMR, IR, MS) methods, and formation of materials including polymers and hydrogels without and with dyes/fluorophores/probes.

Experience in using electrospinning.

Experience in using UV-Vis absorption and fluorescence spectrometers, and microplate readers.

Experience in handling biological samples and performing enzyme-linked immunosorbent assays (ELISA).

Interest in interdisciplinary research and willingness to learn new techniques.

Ability to keep up to date with new developments in relevant research fields.

Ability to work both independently and as part of a team, both as a leader and team member, on research programmes.

Excellent interpersonal and communication skills including the ability to work effectively in a multi-disciplinary project area of research.

Ability to initiate, plan, organise, implement, and deliver programmes of research work to tight deadlines.

Ability to write and give presentations and communicate complex information clearly.

Ability to install and maintain a broad range of equipment within the group and to train other personnel on their operation.

Knowledge of the protected characteristics of the Equality Act 2010, and how to actively ensure in day-to-day activity in own area that those with protected characteristics are treated equally and fairly.

[Apply Now](#)

#### Cross References and Citations:

1. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Searchukjobs Jobs United KingdomSearchukjobs ↗](#)
2. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Ukrainejobs Jobs United KingdomUkrainejobs ↗](#)
3. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Businessjobs Jobs United KingdomBusinessjobs ↗](#)
4. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 UnitedarabemiratesjobsJobs United KingdomUnitedarabemiratesjobs↗](#)
5. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Sciencejobsnearme Jobs United KingdomSciencejobsnearme ↗](#)
6. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Shenzhenjobs Jobs United KingdomShenzhenjobs ↗](#)
7. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 DatascientistjobsJobs United KingdomDatascientistjobs↗](#)
8. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Architecturejobs Jobs United KingdomArchitecturejobs ↗](#)
9. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Norwayjobs Jobs United KingdomNorwayjobs ↗](#)
10. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7 Craftsjobs Jobs United KingdomCraftsjobs ↗](#)
11. [Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7](#)

**Webdeveloperjobs Jobs United KingdomWebdeveloperjobs ↗**

**12. Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7**

**Teachingassistantjobs Jobs United KingdomTeachingassistantjobs ↗**

**13. Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7**

**EnforcementjobsJobs United KingdomEnforcementjobs↗**

**14. Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7**

**OsakajobsJobs United KingdomOsakajobs↗**

**15. Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7**

**Switzerlandjobs Jobs United KingdomSwitzerlandjobs ↗**

**16. Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7**

**Shanghaijobs Jobs United KingdomShanghaijobs ↗**

**17. Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7**

**JobscareerscentralJobs United KingdomJobscareerscentral↗**

**18. Research Fellow in Polymer Chemistry - School of Chemistry - 103333 - Grade 7**

**EmploymentnowJobs United KingdomEmploymentnow↗**

**19. Research fellow in polymer chemistry - school of chemistry - 103333 - grade 7**

**Jobs United kingdom ↗**

**20. AMP Version of Research fellow in polymer chemistry - school of chemistry -**

**103333 - grade 7 ↗**

**21. Research fellow in polymer chemistry - school of chemistry - 103333 - grade 7**

**United kingdom Jobs ↗**

**22. Research fellow in polymer chemistry - school of chemistry - 103333 - grade 7**

**Jobs United kingdom ↗**

**23. Research fellow in polymer chemistry - school of chemistry - 103333 - grade 7 Job**

**Search ↗**

**24. Research fellow in polymer chemistry - school of chemistry - 103333 - grade 7**

**Search ↗**

**25. Research fellow in polymer chemistry - school of chemistry - 103333 - grade 7 Find**

**Jobs ↗**

