

JOB DESCRIPTION
Vacancy Ref: A2516

Job Title: Research Associate	Present Grade: Grade 6
Department/College: Chemistry/Engineering	
Directly responsible to: Prof Rob Short/ David Cheneler (Engineering)	
Supervisory responsibility for: Part responsible for some PhD students	
<p>Other contacts</p> <p>Internal: Plasma health group External: Academic Community</p>	
<p>Major Duties:</p> <ol style="list-style-type: none"> 1. To build a simple glass plasma reactor and use it in two industry-focused projects – first to deposit coatings that promote the adhesion of dental materials to the gum and second to immobilize microparticles to surgical dressings. 2. to operate a plasma jets to assess release a microbial agent from microparticles (using simple chemical reporters in solution) 3. To contribute to the day-to-day running of the plasma laboratory laboratories, including the upkeep of safety documentation and the organization of training for new staff and students. 4. Participation in regular project meetings with colleagues at Lancaster and preparation and presentation of talks, posters and reports to disseminate the results of these studies. 5. Participation in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field. 6. Preparation of journal papers for publication of project findings. 7. Participation in writing new research proposals that build on the expertise developed in this project. 8. If required, by agreement, work in the laboratory of Toby Jenkins (Bath) 	