**JOB DESCRIPTION**

**Vacancy Ref: A3085**

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Technical Innovation Fellow in Chemical Sciences</th>
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<tbody>
<tr>
<td>Present Grade:</td>
<td>Grade 7P</td>
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<tr>
<td>Department/College:</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Directly responsible to:</td>
<td>Dr Andy Pickard</td>
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<tr>
<td>Supervisory responsibility for:</td>
<td>Responsible for some PhD students</td>
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**Other contacts**

**Internal:** Centre for Global Eco-Innovation Research Centre Director, Manager and wider team. Chemistry academics, cTAP staff and Next Gen Chem and GISMO Projects and Physical Sciences KE team  
**External:** Academic Community, Industry Engagement

This postdoctoral research associate position will work through the Centre for Global Eco-Innovation with businesses to deliver the following:

**Major Duties:**

1. Engage in range of industry-focused projects of various durations;
2. Analyse the problem and effect solutions focussed on delivering a transition towards low carbon futures;
3. Application of analytical and synthesis techniques to solve industry problems;
4. To translate university techniques into industry solutions;
5. To write reports to industry and help with translation of the solution to industry partners;
6. To co-author papers with other academics and industry partners to support a key metric for the KEF;
7. To support a range of CGE PhD and Research masters students through their research, literature and laboratory techniques;
8. To be an active and leading participant with Dr John Hardy on a project using novel supercritical fluid extraction techniques for industry applications;
9. To develop use of industry applicable chemistry and biochemistry processes to respond to industry based challenges;
10. To develop a new industry friendly analytical platform for industry application;
11. To contribute to the day-to-day running of the cTAP facility including the upkeep of safety documentation and the organization of training for new staff and students;
12. The organization and participation in regular project meetings with colleagues at Lancaster and in industry and the preparation and presentation of talks, posters and reports to disseminate the results of these studies;
13. 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;
14. Preparation of journal papers for publication of project findings.