JOB DESCRIPTION

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Crop Seed Technology Technician</th>
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<tbody>
<tr>
<td>Department / Unit:</td>
<td>Department of Biological Sciences</td>
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<tr>
<td>Job type</td>
<td>Full Time, Fixed Term</td>
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<td>Grade:</td>
<td>6</td>
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<tr>
<td>Accountable to:</td>
<td>Research Fellow, Biological Sciences (Direct line manager) &amp; Head of Seed Science Group</td>
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<tr>
<td>Accountable for:</td>
<td>Horticultural Assistant (in future)</td>
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**Purpose of the Post**

The purpose of the post is to support the Seed Group's benchwork in projects and services with partners in industry (e.g. KWS) and ODA countries (e.g. Ethiopia) into crop seed technologies. This is mainly to apply standardised seed technology treatments to crop seeds and analyse their effects on the seed quality. The seed technologies include classical seed priming as well as EPOWER priming with gasplasma activated water. Further to manage and maintain in a safe use of the Seed Group's seed technology equipment.

**Key Tasks**

- Provide technical support for the Seed Science Group by applying seed priming treatment (classical and EPOWER) to crop seedlots.
- Analyse the effects of the priming treatments on the crop seed quality by conducting standardised germination and seed ageing assays.
- Write and improve standard operation procedures for seed priming and gas plasma equipment in liaison with the relevant researchers.
- Keep accurate records of experimental results and prepare and write reports about the conducted treatment experiments.
- Source and maintain equipment in accordance with current legislation, and arrange for servicing and testing.
- Demonstrate the safe use of priming and gasplasma equipment to staff and students where appropriate.
- Conduct CoSHH and risk assessments following College guidelines, providing support and guidance to others on such assessments.
- Contribute to the development of a central safety document resource, keeping the safety handbook current and appropriate to the discipline.
- To contribute to organisation, cleanliness, ordering and safety of the lab as appropriate.
- Support event organisation of the Seed Group, Science Days, some of which may be on Saturdays.
### Other Duties

The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the Seed Science and Technology Group. The post holder will be expected to undertake other duties and tasks as appropriate and as reasonable requested by his/her line manager that are commensurate with the grade.

The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.

### Internal and external relationships

The following list is not exhaustive but the post holder will be required to liaise with: Students & Staff, both Academic and Professional Services. External organisations, including seed technology companies and researchers in ODA countries.