# JOB DESCRIPTION

**Vacancy Ref: A3595**

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Research Associate (FiVu)</th>
<th>Present Grade: 6</th>
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<tbody>
<tr>
<td>Department/College:</td>
<td>School of Computing and Communications</td>
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<tr>
<td>Directly responsible to:</td>
<td>Dr. Charles Weir (Lead Investigator)</td>
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<td>Supervisory responsibility for:</td>
<td>None</td>
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## Other contacts

### Internal:
Staff and Students at the University; colleagues in the Security Lancaster institute.

### External:
Co-Investigators at Royal Holloway, Northumbria University and Imperial College London.
Other industrial partners and the wider research community.

## Major Duties:

1. Undertaking a pilot study in the use of Design Fiction to help development teams determine possible vulnerabilities in Bio IoT and similar software, specifically:

2. Help design and carry out a survey of fiction enthusiasts and groups to initially identify a series of relevant fictions for Bio-IoT, and analyse results;

3. Organise a Delphi study to come up with a core set of threats for medical devices (using ideas from the fictions); and

4. Create a set of fiction scenario resources, and use these in a further validation and communication process with stakeholders in a workshop with practitioners.

5. Participating in the preparation of a conference or journal paper for the publication of project findings.

6. Participating in the creation and dissemination of resources for communicating the project findings and leading to impact.

7. Participating in writing new research proposals that build on the expertise developed in this project.

8. To collaborate with industrial and research project partners.
9. Participation in project meetings, preparation and presentation of talks, posters and reports to disseminate the results of these studies.

10. 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.

11. Any other duties appropriate to the grade, as directed by the Principal Investigator or Co-Investigators.