## Checklist for Impacts of Research/Teaching Protocols on Animal Wellbeing

What is happening to the animal? (experimental and non-experimental)  
What will be the effects?  
How will the effects be minimised?

<table>
<thead>
<tr>
<th>Anaesthesia</th>
<th>Restraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fasting</td>
<td>Method</td>
</tr>
<tr>
<td>Induction - drug, dose, route</td>
<td>Duration</td>
</tr>
<tr>
<td>Maintenance - drug, dose, route</td>
<td></td>
</tr>
<tr>
<td>Methods of monitoring anaesthesia and recovery</td>
<td></td>
</tr>
<tr>
<td>Additional support during anaesthesia and recovery (e.g. heat, intravenous fluids)</td>
<td></td>
</tr>
<tr>
<td>Location of induction and recovery areas</td>
<td></td>
</tr>
</tbody>
</table>

### Behaviour Modification
- **Stimulus** (type, duration, frequency)

### Blood / Body fluid collection
- **Volume**
- **Route**
- **Frequency**
- **Anaesthesia or analgesia**
- **Restraint**

### Drug treatments
- **Substance**
- **Dose/Volume**
- **Route (+/- anaesthesia or analgesia)**
- **Frequency of treatments/total number per animal**
- **Local and systemic effects**

### Diet/water modifications
- **Type**
- **Amount**
- **Effects**
- **Measurement of intake**
- **Animal monitoring**

### Genetic modification
- **Methods**
- **Potential effects**
- **Approval under Gene Technology Act & Regulations**

### Housing
- **Location**
- **Group housing (stocking rates, sexes)**
- **Shelter**
- **Bedding**
- **Hiding areas**
- **Conditioning period**

### In vitro studies
- **Source of animals**
- **Duration held**
- **Euthanasia**

### Surgery
- **Anaesthesia**
- **Location of pre-operative preparation area**
- **Pre-operative preparation of animal**
- **Surgical procedure (site, technique)**
- **Sterile technique**
- **Location/housing in post-operative recovery area**
- **Post-operative management**
- **Post-operative monitoring (methods, frequency, duration)**
- **Use of analgesics (type, dose, route, frequency, means of determining necessity of use)**
- **Expertise with all procedures**

### Toxicology
- **Substance**
- **Dose/Volume**
- **Route**
- **Frequency of treatments/total number per animal**
- **Local and systemic effects**
- **Restraint**
- **Anaesthesia or analgesia**
- **Animal monitoring (methods, frequency)**
- **Endpoint/duration**

### Tumour/neoplasia induction
- **Method**
- **Site**
- **Animal monitoring (methods, frequency)**
- **Humane/ethical endpoint**
- **Scientific endpoint**

### Teaching
- **Housing**
- **Duration held**

### Transport
- **Method**
- **Who will conduct transport**
- **Duration**
- **Confinement**
- **Number of animals involved**
- **Air-conditioning**
- **Care during transport**

### Wildlife studies
- **Procedure Methods**
- **Handling/restraint**
- **Housing**
- **Release**
- **Effects on population**