## JOB DESCRIPTION

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Postgraduate Research Assistant</th>
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<tbody>
<tr>
<td>Department / Unit:</td>
<td>Psychology</td>
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<tr>
<td>Job type</td>
<td>Research Assistant</td>
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<tr>
<td>Grade:</td>
<td>6</td>
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<tr>
<td>Accountable to:</td>
<td>Dr. Angelika Lingnau</td>
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<tr>
<td>Accountable for:</td>
<td>Dr. Angelika Lingnau</td>
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### Purpose of the Post

This project examines the behavioural and neural basis of visual imagery, funded by the European Research Council (R10718-Perceptual Awareness). The role of this post will be to assist in setting up the experiment, subject recruitment, data collection (behavioural, fMRI) and data analysis under the supervision of Dr. Angelika Lingnau.

### Key Tasks

**Contribute to setting up experiments, and be responsible to run experiments**
- Literature review of relevant literature
- Help to program experiments in Matlab/ ASimpleFramework/Psychophysics Toolbox
- Run small scale pilot experiments that can establish the viability of the planned experiments (behavioural, neuroimaging)
- Recruit participants from undergraduate population at RHUL to take part in the experiments

**Maintain a permanent record of experimental details, analyse and archive data generated from experiments and write up results**
- Collection of behavioural and neuroimaging data, including the delivery of instructions and monitoring of performance throughout the experiment
- Analysis of behavioural data (reaction time, accuracy)
- Analysis of fMRI data (univariate analysis, resting state connectivity analysis)
- Preparation of written description of the methods
- Interpret results in the context of the relevant literature

**Contribute to preparation of findings of research activity and presentation of findings of research activity to colleagues**
- Prepare summary of the results (figures, tables, written descriptions)
- Contribute to first draft of paper for submission to scientific journal for peer-review and publication