**Job Title:** Post-Doctoral Research Associate  

**Present Grade:** 6

<table>
<thead>
<tr>
<th>Department/College:</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Directly responsible to:</strong></td>
<td>Dr John Griffin</td>
</tr>
<tr>
<td><strong>Supervisory responsibility for:</strong></td>
<td>Some supervision of postgraduate students and PDRAs</td>
</tr>
</tbody>
</table>

**Other contacts**

**Internal:** Academic staff and PDRAs in the Department of Chemistry

**External:** Prof. Rob Dryfe, University of Manchester

**Major Duties:**
The postdoctoral research associate will carry out research into the development of *in situ* NMR methods for study electrosorption of ions in porous carbons. This will involve preparation of electrodes and electrolytes, design, fabrication and modification of *in situ* electrochemical cells for NMR, and collection, interpretation and analysis of experimental NMR data.

**Key Responsibilities**
Under the supervision of Dr John Griffin the postdoctoral research associate will be responsible for:

- Preparation of porous carbon based electrodes and electrolytes
- Assembly and electrochemical testing of cells
- Performing NMR measurements on electrode materials and in situ cells
- Contribute to the running of the research group, by providing technical training and contributing to resource management (ordering, generating health and safety documentation, etc.)
- Prepare reports and presentations to communicate results to collaborators and external partners
- Participate in the normal activities of the research group, including meetings and presentations
- Helping to supervise and train postgraduate students
- Prepare manuscripts for publication
- Disseminate research findings at national or international meetings and conferences
- Undertake necessary training and development
- Other duties commensurate with the grade of the post, as directed by the supervisor