**JOB DESCRIPTION**
Postdoctoral Research Associate, Immuno-metabolism during inflammation  
Vacancy Ref: A3415

<table>
<thead>
<tr>
<th><strong>Job Title:</strong> Postdoctoral Research associate</th>
<th><strong>Present Grade:</strong> 7</th>
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<tr>
<td><strong>Department/College:</strong> Division of Biomedical &amp; Life Sciences</td>
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<td><strong>Directly responsible to:</strong> Dr Lucy Jackson-Jones</td>
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<td><strong>Supervisory responsibility for:</strong> Research and project students</td>
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**Other contacts**

**Internal:** PhD students, project students and other members of the Jackson-Jones lab, staff and students in the Division of Biomedical and Life Sciences, technical and administrative support in the division.

**External:** Research scientists & clinicians in related fields, collaborators including lipidomics providers, research councils and funding bodies, journal editors, societies and research networks, the general public during outreach activities.

**Job Purpose:**
To complete experiments as outlined in an MRC new investigator research grant 'Local oxidized phospholipids within the pleural cavity: fuelling macrophage response during inflammation?' To make a major contribution to the publication of the results and provide preliminary data for new research proposals.

**Major Duties:**
- To conceive research, design and perform experiments, analyse data and interpret results, specifically to understand inflammation within the serous cavities.
- To keep up to date with developments in immunology and metabolism research fields.
- To participate actively in the running of the research group, by providing expertise, technical training and contributing to data and resource management in the group.
- To communicate research findings during lab meetings, journal clubs and internal seminars.
- To supervise undergraduate and graduate project students.
- To take responsibility for the management of transgenic mouse breeding colony.
- To prepare manuscripts for publication.
- To participate in national and international conferences, presenting the results of the project and learning about current advances in the field.
- To develop research projects and new lines of enquiry in collaboration with the PI (Dr Lucy Jackson-Jones).
- To contribute to the writing of funding applications to research councils and charities, either as applicant, co-applicant or named postdoctoral researcher.
- To transform and apply acquired knowledge to teaching (only as necessary/desired for further professional development), further research and appropriate external activities including outreach activities.