Overview

The Department of Medical Imaging actively participates in departmental, interdepartmental and multi-site collaborative research projects. The Department of Medical Imaging Research Office (DMIRO), under the directorship of Professor Alan Coulthard, has been created to provide support for these research projects, and to foster new, mutually beneficial research partnerships.

Research personnel include a Research Development Officer and Research Medical Officer, and in 2012 the DMIRO expanded to include a Research Project Officer position to manage research contracts, revenue generation and research collaborations. Over the last year, DMIRO has expanded its role to include provision of research support to residents and registrars, who are now required by the Royal Australian and New Zealand College of Radiologists to complete two research projects to fulfill their specialty training assessment requirements.

Key achievements over the past year include establishment of 31 new service-based research projects, for which the department provides imaging services and administrative support, bringing this total to 70 active studies. In addition, nine new departmental projects were established, in which residents have become integrally involved, providing them an environment to develop key research skills required for their future progression to the Queensland Radiology Training Program.

Medical Imaging research pursuits have culminated in 11 publications and 11 presentations at national conferences, by consultants, registrars and radiography staff. The future of research in the service line is positive, with a growing involvement in research projects by consultants and registrars, as well as nursing.

Executive and directing staff

Adj. Assoc. Prof. Noelle Cridland
Acting Executive Director, Medical Imaging Reform

Prof. Alan Coulthard
Director, Research

Dr John Clouston
Director, Medical Imaging

Vanessa Clarke
Director, Medical Imaging Services
Research grants

<table>
<thead>
<tr>
<th>Investigators</th>
<th>Research title</th>
<th>Granting body</th>
<th>Amount awarded</th>
<th>Years of funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scott J</td>
<td>Developing research in radiology</td>
<td>RBWH Private Practice Trust Fund (PPTF)</td>
<td>$80,000</td>
<td>2010-2012</td>
</tr>
</tbody>
</table>
### Research grants

<table>
<thead>
<tr>
<th>Investigators</th>
<th>Research title</th>
<th>Granting body</th>
<th>Amount awarded</th>
<th>Years of funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rose, S., Crozier, S., Salvado, O., Coulthard, A., Thomas, P., and Fay M.</td>
<td>Improving assessment of brain tumour treatment outcome using 18F-FDOPA PET MRI</td>
<td>NHMRC</td>
<td>$637,125</td>
<td>2010-2012</td>
</tr>
<tr>
<td>Investigators from multiple disciplines including Coulthard, A., Senior investigators: Rose, S., Macfarlane, D., Slaughter, R.</td>
<td>ACRF Molecular Oncology Translational Imaging Facility</td>
<td>ACRF</td>
<td>$2,000,000</td>
<td>2012</td>
</tr>
<tr>
<td>Taylor, B., van der Mei, I., Lucas, R., Blizzard, C., Coulthard, A., Broadley, S., Williams, D., Shaw, C.</td>
<td>The role of environmental and genetic factors in progression of multiple sclerosis</td>
<td>NHMRC</td>
<td>$945,084</td>
<td>2012</td>
</tr>
<tr>
<td>Clouston, J., Coulthard, A.</td>
<td>Funding of Research Development Officer position</td>
<td>Covidien</td>
<td>$190,942</td>
<td>2012-2015</td>
</tr>
<tr>
<td>Clouston, J., Coulthard, A.</td>
<td>Funding of Research Project Officer position</td>
<td>RBWH PPTF</td>
<td>$185,957</td>
<td>2012-2014</td>
</tr>
</tbody>
</table>

### Publications


