

# Research Supervision Opportunities

Department of Medical Education



	Doctor of Medicine - Research Scholar and Clinical Scholar Pathways (MD)	Master of Clinical Research	Bachelor of Medical Science (Honours)
<b>Full program</b>	4-year graduate entry medical program	18-month (full time) or 3-year (part time) program	12 months full time in Melbourne (in the middle of a 6-year Indonesian medical/dental program)
<b>Participant background</b>	Various, mostly biomedical science (local and international). Some will have previous research experience (i.e. Honours / PhD).	Clinical and health professional graduates (local and international). Minimum 1 year work experience in research, medical, scientific or allied health environment. Some will have previous research experience (i.e. Honours / PhD or clinical research work experience).	Undergraduate medical or dental stream students (all international and have completed their pre-clinical years).
<b>Research background</b>	All students complete the following <b>foundational</b> level research skills and course work: <ul style="list-style-type: none"> <li>Clinical research methods, (quantitative, qualitative and mixed methods research study designs)</li> <li>Critical analysis</li> <li>Introductory biostatistics</li> <li>Research ethics</li> <li>Science communication skills</li> </ul>	All students complete the following <b>advanced</b> level research skills and course work: <ul style="list-style-type: none"> <li>Clinical research methods, (quantitative, qualitative and mixed methods research study designs)</li> <li>Evidence synthesis</li> <li>Research ethics</li> <li>Science communication skills</li> <li>Clinical research governance and project research management</li> <li>Advanced research and knowledge translation</li> <li>Digital and computer skills for research</li> </ul>	All students complete the following <b>intermediate</b> level research skills and course work: <ul style="list-style-type: none"> <li>Clinical research methods, (quantitative, qualitative and mixed methods research study designs)</li> <li>Research ethics</li> <li>Evidence synthesis and critical appraisal</li> <li>Science communication skills</li> <li>Intermediate biostatistics including meta-analysis</li> <li>Research and knowledge translation</li> <li>Digital and computer skills for research</li> </ul>
<b>Total numbers</b>	~350	~25	~25
<b>Website link</b>	<a href="https://go.unimelb.edu.au/dny6">https://go.unimelb.edu.au/dny6</a>	<a href="https://go.unimelb.edu.au/yj76">https://go.unimelb.edu.au/yj76</a>	<a href="https://go.unimelb.edu.au/mkc8">https://go.unimelb.edu.au/mkc8</a>
<b>Pathway to PhD</b>	Yes	Yes	Yes

	<b>Doctor of Medicine - Research Scholar Pathway (MD)</b>	<b>Doctor of Medicine - Clinical Scholar Pathway (MD)</b>	<b>Master of Clinical Research</b>	<b>Bachelor of Medical Science (Honours)</b>
<b>Research component</b>	4 weeks in Year 3 (various times) <i>plus</i> 18 weeks in Year 4 (February start)	5 weeks in Year 4 spread across 18 weeks	6-month master's research project or industry capstone (January start)	4-month research project (February start)
<b>Outputs</b>	<p><b>Year 3</b></p> <ol style="list-style-type: none"> <li>1) Research project proposal: 1350 words</li> <li>2) Narrative literature review: 2500 words</li> </ol> <p><b>Year 4</b></p> <ol style="list-style-type: none"> <li>1) Journal article-style monograph: 4500 words</li> <li>2) Conference poster</li> <li>3) Oral presentation: 20 mins</li> </ol>	<p><b>Year 4</b></p> <ol style="list-style-type: none"> <li>1) Scholarly project: 3500 words</li> <li>2) Oral presentation: 10-15 mins</li> </ol>	<p><b>Thesis Pathway</b></p> <ol style="list-style-type: none"> <li>1) 2 x oral presentations: 15 mins</li> <li>2) Extended literature review: 5500 words</li> <li>3) Oral presentation: 15 mins</li> <li>4) Minor research thesis: 11000 words</li> </ol> <p><b>Industry Capstone Pathway</b></p> <ol style="list-style-type: none"> <li>1) Project plan: 500 words</li> <li>2) Industry based project report: 5000 words</li> <li>3) 2x Oral presentations: 20 mins</li> </ol>	<ol style="list-style-type: none"> <li>1) A written research proposal (1500 words)</li> <li>2) An oral presentation of the proposal for feedback (8 mins)</li> <li>3) Oral presentation of research progress: mid-semester (5 mins)</li> <li>4) Oral presentation of research findings to an audience of peers and professional colleagues: end of semester (15 mins)</li> <li>5) Final research project based on the systematic review: end of semester (6500 words)</li> </ol>
<b>Examples of projects</b>	<ul style="list-style-type: none"> <li>• Retrospective data analysis (quantitative data, qualitative data or mixed methods)</li> <li>• Prospective data analysis (quantitative data, qualitative data or mixed methods)</li> <li>• Protocol development</li> <li>• Systematic review</li> <li>• Meta-analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Retrospective data analysis (quantitative data, qualitative data or mixed methods)</li> <li>• Quality assurance project</li> <li>• Narrative medicine</li> <li>• Protocol development</li> <li>• Literature review</li> </ul>	<ul style="list-style-type: none"> <li>• Retrospective data analysis (quantitative data, qualitative data or mixed methods)</li> <li>• Prospective data analysis (quantitative data, qualitative data or mixed methods)</li> <li>• Scoping/systematic review</li> <li>• Meta-analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced systematic review</li> <li>• Systematic review</li> <li>• Meta-analysis</li> <li>• Data analysis projects</li> </ul>
<b>Subject / Course Coordinator</b>	Dr Carey Wilson <i>Research Scholar Pathway</i>	Associate Professor Louisa Ng <i>Clinical Scholar Pathway</i>	Associate Professor Anita Horvath <i>Course Coordinator</i>	Dr Nilakshi Waidyatillake <i>Course Coordinator</i>

For more details regarding supervisor requirements and host site requirements, please contact the subject/course coordinator.