

CLRS90016 Clinical Neuroscience Research

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2014, Parkville This subject commences in the following study period/s: June, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 39 hours (4 day intensive block) Total Time Commitment: Students should expect to undertake a minimum of 120 hours lectures, research, reading, writing etc to complete this subject successfully
Prerequisites:	To enrol in this subject, you must be admitted in either N05NS, N28AA, N12AA, N34AA or N01AA. This subject is not available for students admitted in any other courses.
Corequisites:	mil
Recommended Background Knowledge:	nil
Non Allowed Subjects:	nil
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Commonwealth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this course are articulated in the Course Overview, Objectives and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this course are encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/
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Subject Overview:	<p>Topics covered include:</p> <ul style="list-style-type: none"> # Frontiers in clinical neuroscience research # Expert briefings on the current research questions in epilepsy, intellectual disability and autism, stroke and multiple sclerosis # Research methods in clinical neurological genetics # How animal models can inform clinical neuroscience research # Research methods in clinical neuropharmacology # Brain development # Neuroplasticity and neurotrophic factors research # Research methods in neurodegenerative disorders # Clinical trials methods # How clinical research informs basic research and vice-versa # Research methods in neurological epidemiology # Research methods in neurological rehabilitation

	# Translation of clinical research findings into practice
Learning Outcomes:	<p>Students who successfully complete this subject will:</p> <ul style="list-style-type: none"> # Demonstrate a high level of understanding of a wide variety of clinical research methodologies applicable to problems in neurological disease # Have a sound knowledge of the overlap with basic science advances across the neuroscience field and a good understanding of clinical synergies # Have gained insights into the broad “hot topics” in neuroscience research and be able to generate useful discussions and ideas # Be able to analyse and critically appraise the clinical and basic neuroscience literature in a chosen topic of interest # Be able to apply this knowledge through creating new ideas for clinical research projects # Be able to work in teams and effectively communicate clinical research findings
Assessment:	Oral team presentation (total 20 mins + 10 mins discussion) based on published clinical neuroscience research topics discussed within multi-disciplinary teams (20%), a comprehensive literature review in a chosen clinical neuroscience research area, and leading to explicit conclusions and new research questions to pursue (max. 3,500 words) (80%).
Prescribed Texts:	Students will be provided with articles and references that support the teaching program as part of their course materials
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Links to further information:	http://www.commercial.unimelb.edu.au/courses
Related Course(s):	<p>Graduate Diploma in Clinical Research Master of Clinical Research Specialist Certificate in Clinical Research (Neuroscience)</p>