

CLRS90016 Clinical Neuroscience Research

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: June, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 24 hours of lectures/seminars/workshops Total Time Commitment: Students should expect to undertake a minimum of 120 hours lectures, research, reading, writing etc to complete this subject successfully
Prerequisites:	nil
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 (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Coordinator:	Prof Sam Berkovic
Contact:	School of Melbourne Custom Programs Level 3, 442 Auburn Rd Hawthorn VIC 3122 Phone: 9810 3245 Email: clinicalresearch@commercial.unimelb.edu.au (mailto:clinicalresearch@commercial.unimelb.edu.au)
Subject Overview:	Topics covered include: 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
Objectives:	Students who successfully complete this subject will: # Demonstrate a high level of understanding of a wide variety of clinical research methodologies applicable to problems in neurological disease

	<ul style="list-style-type: none"> # 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:	nil
Recommended 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
Generic Skills:	<p>Students who successfully complete this subject will:</p> <p>Demonstrate a high level of understanding of a wide variety of clinical research methodologies applicable to problems in neurological disease</p> <p>Have a sound knowledge of the overlap with basic science advances across the neuroscience field and a good understanding of clinical synergies</p> <p>Have gained insights into the broad hot topics in neuroscience research and be able to generate useful discussions and ideas</p> <p>Be able to analyse and critically appraise the clinical and basic neuroscience literature in a chosen topic of interest</p> <p>Be able to apply this knowledge through creating new ideas for clinical research projects</p> <p>Be able to work in teams and effectively communicate clinical research findings</p>
Links to further information:	http://www.mccp.unimelb.edu.au/subjects/clinical-neuroscience-research-part1
Related Course(s):	<p>Graduate Diploma in Clinical Research</p> <p>Master of Clinical Research</p> <p>Specialist Certificate in Clinical Research (Neuroscience)</p>