Monash Alfred Psychiatry Research Centre

Monash Alfred Psychiatry research centre (MAPrc) is one of Australia’s largest clinical research centres in psychiatry. The centre has a long track record of producing world class research with direct clinical translation.

The key goal of MAPrc is to conduct clinical research aimed at developing new treatments with direct, effective, and immediate applications. The research covers all ages and many different mental illnesses. MAPrc research is integrated with clinical practice, based in the Alfred Hospital in affiliation with Monash University.

We have a multidisciplinary group of researchers with a research agenda that meets clinical and social needs and has a short 1-5 year timeline to real clinical impact.

See more: www.maprc.org.au/

Projects Available:

- Exploring the neurobiology of depression with brain stimulation
  Supervisor(s): Dr Robin Cash and Prof Paul Fitzgerald
  Email: robin.cash@monash.edu

- Enhancing plasticity induction using brain stimulation
  Supervisor(s): Dr Robin Cash and Prof Paul Fitzgerald
  Email: robin.cash@monash.edu

- The influence of genetics on neuroplasticity
  Supervisor(s): Dr Robin Cash and Prof Paul Fitzgerald
  Email: robin.cash@monash.edu

- The neurobiology of borderline personality disorder
  Supervisor(s): Dr Robin Cash
  Email: robin.cash@monash.edu

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- Exploring cognition and personality and its role in pain modulation following transcranial Direct Current Stimulation (tDCS)
  Supervisor(s): Dr Bernadette Fitzgibbon and A/Prof Kate Hoy
  Email: bernadette.fitzgibbon@monash.edu

- Pain Perception in psychiatric and neurological disorders
  Supervisor(s): Dr Bernadette Fitzgibbon
  Email: bernadette.fitzgibbon@monash.edu

- Brain stimulation combined with an adjunctive non-pharmaceutical treatment for the relief of persistent pain
  Supervisor(s): Dr Bernadette Fitzgibbon
  Email: bernadette.fitzgibbon@monash.edu
An investigation of Ultra-Runners
Supervisor(s): Dr Bernadette Fitzgibbon and Dr Donna Urquhart
Email: bernadette.fitzgibbon@monash.edu

Impact of type and timing of childhood trauma on adult cognition and emotion regulating in borderline personality disorder (BPD)
Supervisor(s): Dr Caroline Gurvich and Prof Jayashri Kulkarni
Email: caroline.gurvich@monash.edu

Cognitive functioning and emotion processing associated with perimenopausal depression (healthy control subjects compared with depressed patient data)
Supervisor(s): Dr Caroline Gurvich and Prof Jayashri Kulkarni
Email: caroline.gurvich@monash.edu

Increasing the speed of thought: Using brain stimulation to enhance speed of information processing
Supervisor(s): A/Prof Kate Hoy and Dr Bernadette Fitzgibbon
Email: Kate.hoy@monash.edu

Lost in translation: assessing the applicability of motor cortical IDCS findings to the DLPFC
Supervisor(s): A/Prof Kate Hoy and Prof Paul Fitzgerald
Email: Kate.hoy@monash.edu

Investigating the neurobiology of chemotherapy induced cognitive impairment (CICI) using non-invasive brain stimulation
Supervisor(s): A/Prof Kate Hoy and Dr Stuart Lee
Email: Kate.hoy@monash.edu

A First Investigation of Temporal Cortex Inhibition Using TMS-EEG
Supervisor(s): Dr Manreena Kaur and Prof Paul Fitzgerald
Email: manreena.kaur@monash.edu

The Heart Side of the Brain: Examining the effect of repetitive transcranial magnetic stimulation on the autonomic nervous system
Supervisor(s): Dr Manreena Kaur and Prof Paul Fitzgerald
Email: manreena.kaur@monash.edu

Depression and the oral contraceptive pill – substudy of types of pill used and depressive mood
Supervisor(s): Prof Jayashri Kulkarni and Ms Emmy Gavrilidis
Email: jayashri.kulkarni@monash.edu

Case control study of neonatal intensive care / special care nursery (NICU/SCN) admissions and antipsychotic exposure using data from the National Register of Antipsychotic Use in Pregnancy (NRAMP)
Supervisor(s): Prof Jayashri Kulkarni and Ms Emmy Gavrilidis
Email: jayashri.kulkarni@monash.edu

Cross sectional study of borderline personality disorder symptomatology and trauma history in women with polycystic ovary syndrome compared to healthy controls
Supervisor(s): Prof Jayashri Kulkarni and Ms Emmy Gavrilidis
Email: jayashri.kulkarni@monash.edu

Study of premenstrual dysphoric disorder (PMDD) in women with borderline personality disorder (BPD)
Supervisor(s): Prof Jayashri Kulkarni and Ms Emmy Gavrilidis
Email: jayashri.kulkarni@monash.edu

Toddler and pre-school development in children (1-5 years) born to women who took antipsychotic medication during pregnancy, using data from the National Register of Antipsychotic Medication in Pregnancy (NRAMP)
Supervisor(s): Prof Jayashri Kulkarni and Ms Emmy Gavrilidis
Email: jayashri.kulkarni@monash.edu

Characterisation of perimenopausal anxiety in women
Supervisor(s): Prof Jayashri Kulkarni and Ms Emmy Gavrilidis
Email: jayashri.kulkarni@monash.edu

Comparing what clinical factors drive occupational violence and aggression and its consequences across three public hospitals
Supervisor(s): Dr Stuart Lee and Dr Michelle Ananda-Rajan
Email: Stuart.lee@monash.edu

Assessing the reliability and validity of a new measure of functional independence for people with severe mental illness and factors that predict level of independence and rehabilitation progress
Supervisor(s): Dr Stuart Lee, Mr Daniel Cartlidge and Mr Justin Rowe
Email: Stuart.lee@monash.edu