Day 1 – Thursday 14 July 2022

(please note this schedule is subject to change)

Time (AEST)		
08:00 - 08:15	**Symposium Registration**	
08:15 – 08:30	**Symposium Opening**	
08:30 - 10:00	**Workshop: An interactive and practical guide to field research in paramedicine** Dr Ben Meadley Location: H1.G.52	**Workshop: Making better paramedics: The science of measuring response to simulation training** Nick Abussi, Andy Bell, Elise Katrakazos, Dr Matt Stainer Location: H1.G.51
10:00 – 10:15	**Morning Tea**	
10:15 - 13:15	**Workshop: Making connections and fostering collaboration** Associate Professor Linda Ross, Associate Professor Kelly-Ann Bowles, Dr Cameron Gosling, Brendan Shannon, Bronwyn Beovich Location: H1.G.52	**Workshop: Using patient safety data to improve patient care – a mixed methods approach** Tim Andrews and Kate Cantwell Location: H1.G.51
13:15 - 14:00	**Lunch**	
14:00 - 17:00	**Workshop: Enhancing quality in peer review – conducting and responding to peer review for scientific journals** Associate Professor Paul Simpson, Associate Professor Kelly-Ann Bowles, Mr Robin Pap Location: H1.G.52	**Workshop: Getting started in analysing data** Associate Professor Jason Bendall Location: H1.G.51
15:00 – 15:15	**Afternoon Tea** Served as a short break within workshop	
17:00 – 17:05	**Conference Close**	

WORKSHOP OVERVIEWS

Ben Meadley
An interactive and practical guide to field research in paramedicine

Sometimes it's challenging to access datasets in order to undertake research in paramedicine. One alternative is field based research involving paramedics, patients, or both. However, field research comes with its own challenges. This interactive workshop, led by experienced researcher Dr Ben Meadley, will identify the complexities of in-field research, and provide participants with actionable strategies to ensure success. Participants will be actively engaged in scenarios and will design their own small field-based study. They will be provided feedback by Ben and other participants, so they can leave the workshop with the tools to start their own in-field study in paramedicine.

Nick Abussi, Andy Bell, Elise Katrakazos, Dr Matt Stainer
Making better paramedics: The science of measuring response to simulation training

This workshop will introduce participants to the practice of applied research skills in a simulation environment, including methods for data collection, synthesis, and interpretation. It will showcase a variety of physiological research methodologies and tools including the use of hexoskin, astroskin and eye tracking technologies in a recorded high-fidelity clinical simulation using paramedic students and an experienced qualified paramedic practitioners. The research team will give their interpretation of the data set then facilitate an open floor discussion regarding the gathering and interpretation of the data and its relevance to the research question. Discussions will centre around the use of these types of research techniques to inform future developments in paramedic education and training

Research Question: What can the differences in physiological response to a high-fidelity clinical simulation between novice paramedics and experienced paramedic practitioners tell us about its effect on performance?

Linda Ross, Kelly-Ann Bowles, Cameron Gosling, Brendan Shannon, Bronwyn Beovich

Making connections and fostering collaboration

Making Connections and Fostering Collaboration will be a fully interactive workshop requiring participation from all in attendance. It is designed to bring together individuals with similar research interests and form connections and collaborations. The facilitators will guide participants through a process of proposing board research ideas which will then be defined and grouped into categories. Participants with like minded research ideas will then form small working groups each aided by a facilitator. Groups will discuss and expand on ideas before coming to some consensus about a number of achievable research questions with the aim of producing translatable outcomes for the paramedic profession. Facilitators will then help groups refine questions and discuss the steps moving forward to achieve a successful research collaboration.

Tim Andrews

Using patient safety data to improve patient care – a mixed methods approach

We will explore what patient safety data is, and how it can be used to identify patient safety trends through both quantitative and qualitative research methods.

This session will give the participants hands on experience with translating aggregate patient data into clear messages, with accuracy and transferability. This session will be aimed at both clinicians with limited research experience, as well as researchers with minimal quality review experience.

Paul Simpson, Kelly-Ann Bowles, Robin Pap

Enhancing quality in peer review – conducting and responding to peer review for scientific journals

Peer review is an essential component in scientific publishing. The workshop will seek to introduce delegates to peer review as undertaken in paramedicine journals, introducing models of peer review used in paramedicine journals. Adopting an applied agenda, the workshop will discuss principles of quality peer review, and give delegates the opportunity to engage in collaborative 'mock' peer review of selected articles. Participants will be supported through the conduct of peer review of a research journal article, applying best-practice principles. It will also explore how to respond to peer review as an author. Experienced facilitators will take participants through how to systematically review and produce high quality peer review. After completing the workshop, participants will be well-positioned to begin engaging in peer review, or will have reflected on their current peer review practices.

Jason Bendall

Getting started in analysing data

Analysing data can be challenging and overwhelming. This workshop will provide an overview of principles of exploratory data analysis, data visualisation, data analysis and using available open source (free) software (e.g. R and Python). During the workshop you will have an opportunity to work with some real data and will learn how to prepare, clean, visualise and analyse this data and get some 'real life' experience which you can apply to your own work.