# Fundamentals of research: for everyday practice

**Date:** Tuesday 8th May 2018  
**Venue:** John Lindell Lecture Theatre, Level 4 Lance Townsend Building

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<td>8:30–8:55</td>
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| 9:00–9:05 | Why research is important in a hospital like the Austin  
(Research active hospitals have better outcomes) | Sue Shilbury  
CEO Austin Health |
| 9:05–9:40 | Research terminology: *Language for the road*  
Discussing terminology that is potentially confusing eg: prevalence/incidence; types of study designs available; concepts including: population, sample, inference - internal/external validity, predictability, systematic / rapid reviews etc | Prof David Taylor  
Director Emergency & General Medical Research |
| 9:40–10:30 | Developing a research question: *Seeking the right destination*  
Developing a research question, including a practical session using a tool such as PICO/T. | Dr Catherine Hill  
Senior Research Physiotherapist  
Michele Gaca & Helen Baxter  
Chief Librarian  
Clinical Librarian |
| 10:30–10:50 | Morning tea                                                            | Provided                                                                   |
| 10:50–11:15 | Why a research protocol is important: *Configuring your itinerary*  
The blue print for your project. | David Taylor |
| 11:15–11:30 | Ethics: *Can I do that? Can I go there?*  
Why is it important? Do you need to make an ethics submission? | Dr Sianna Panagiotopoulos  
Manager, Office for Research |
| 11:30–12:00 | Introduction to basic statistics  
The basic tools for describing data and understanding simple statistical tests. | David Taylor |
| 12:00–12:20 | How would I approach writing a survey: *Avoiding misleading results* | Dr Daryl Jones  
Intensive Care Specialist, ICU |
<p>| 12:20–1:00  | Lunch                                                                  | Provided                                                                  |</p>
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| 1:00 – 1:50  | **Searching the literature:** Which roadmap do you use? Where do you keep your luggage?  
Practical library presentation  
How to search – tools to use to your advantage  
Using reference management software - practical demonstration of creating reference libraries and de-duping search results using EndNote | Michele Gaca, Helen Baxter                                                 |
| 1:50 – 2:15  | **Clinical research from a nursing perspective**                          | Nigel Fealy  
Clinical Nurse Educator, ICU                                               |
| 2:15 – 2:50  | **Critical appraisal**  
How do you know you are getting the best available evidence?  
Selecting your appraisal tools CASP / NHMRC  
A practical session on how statistics have been used, is the methodology sound, did authors select the right study type and meet their burden of proof? | Dr Chris Leung  
Gastroenterologist/Medical Administrator Lead  
David Taylor |
| 2:50 – 3:00  | **Afternoon tea**                                                         |                                                                           |
| 3:00 – 3:30  | **Sharing your trip with the world:** Selfie anyone??  
Author panel (representing different research outputs) to take questions / discussing research they have been involved in? | Panel:  
David Taylor  
Chris Leung  
Nigel Fealy  
Catherine Hill |
| 3:30 – 3:45  | **Final wrap up session – next steps**  
Advanced Research Methods: poised to publish – Tuesday 21 August 2018 | David Taylor |