



# 2018 Clinical Research Training Program

## Practical Research Methods

The George Institute for Global Health  
3 December 2018 – 7 December 2018

## 2018 Clinical Research Training Program

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#### TIMES

Please arrive at 9:00am for a 9:30am commencement.

#### Day 1: Topic overviews – Monday 3 December

	Topic	Presenter
9.30 – 10.00am	<i>Welcome and Introduction</i>	Professor Anushka Patel
10.00 – 11.00am	Epidemiology – fundamentals of study design <ul style="list-style-type: none"> <li>Fundamentals of study design</li> </ul>	Professor Vlado Perkovic
11.00 – 11.15am	<i>Morning Tea</i>	
11.15 – 12.15pm	Epidemiology – fundamentals of observational and intervention studies <ul style="list-style-type: none"> <li>Observational studies</li> </ul>	A/Professor Lisa Key
12.15 – 1.00pm	<i>Lunch</i>	
1.00 – 2.15pm	Active Learning Session <ul style="list-style-type: none"> <li>Cementing the new knowledge obtained in the morning</li> <li>Three groups are formed, each provided with               <ul style="list-style-type: none"> <li>Sample clinical scenario (including sample study hypothesis, study design and study protocol)</li> <li>Template for study protocol</li> </ul> </li> </ul>	A/Professor Lisa Key Dr Qiang Li
2.15 – 5.00pm	<i>Individuals work on sample clinical scenarios</i>	A/Professor Lisa Key Dr Qiang Li
5.00pm	<i>Close</i>	

#### Day 2: Topic overviews – Tuesday 4 December

	Topic	Presenter
9.30 – 11.00am	Presentations: <ul style="list-style-type: none"> <li>Introduction to Biostatistics</li> </ul>	A/Professor Laurent Billot
11.00 – 11.15am	<i>Morning Tea</i>	
11.15 – 12.45pm	<ul style="list-style-type: none"> <li>Sample size calculations</li> <li>Planning and reporting statistical analysis</li> </ul>	Dr Qiang Li A/Professor Laurent Billot
12.45 – 1.30pm	<i>Lunch</i>	
1.30 – 2.45pm	Active Learning Session Cementing knowledge obtained in the morning: <ul style="list-style-type: none"> <li>Papers with different study designs and statistical methods</li> <li>Practice of sample size calculation</li> </ul>	A/Professor Laurent Billot Dr Qiang Li
2.45 – 3.00pm	<i>Afternoon Tea</i>	
3.00 – 4.30pm	Active Learning Session <ul style="list-style-type: none"> <li>Statistical Analysis Plan (SAP) examples</li> <li>Three groups working on their protocol with guidance and support from the George Institute staff</li> </ul>	A/Professor Laurent Billot Dr Qiang Li
4.30pm	<i>Break</i>	
6.00 – 8.00 pm	Formal Dinner	

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#### Day 3: Topic overviews – Wednesday 5 December

	Topic	Presenter
9.30 – 10.30am	Epidemiology – fundamentals of intervention studies and systematic reviews Presentations:	
10.30 – 11.15am	<ul style="list-style-type: none"> <li>• Randomised controlled trials</li> <li>• Management of data in clinical research projects</li> </ul>	Professor Bruce Neal Helen Monaghan
11.15 – 11.30pm	<i>Morning Tea</i>	
11.30 – 12.30pm	Epidemiology – fundamentals of intervention studies and systematic reviews Presentation:	
	<ul style="list-style-type: none"> <li>• Systematic reviews</li> </ul>	Dr Min Jun
12.30 – 1.15pm	<i>Lunch</i>	
1.15 – 2.30pm	Active Learning Session	
	<ul style="list-style-type: none"> <li>• Cementing the new knowledge obtained in the morning:</li> <li>• Sample clinical scenario (including sample study hypothesis, study design and study protocol)</li> </ul>	A/Professor Rohina Joshi Dr Min Jun
2.30 – 2.45	<i>Afternoon Tea</i>	
2.45 – 4.00	Active Learning Session	A/Professor Rohina Joshi Dr Min Jun
4.00pm	<i>Close</i>	

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#### Day 4: Topic overviews – Thursday 6 December

	Topic	Presenter
9.30 – 11.00am	<ul style="list-style-type: none"> <li>How to write, present and publish your research (including how to write a scientific paper and oral / poster presentations)</li> </ul>	Professor Stephen Jan
11.00 – 11.15am	<i>Morning Tea</i>	
11.15 – 12.15pm	<ul style="list-style-type: none"> <li>How to prepare a funding application</li> </ul>	Professor Vlado Perkovic
12.15 – 12.45pm	<ul style="list-style-type: none"> <li>Managing quality in clinical research projects</li> </ul>	Phillipa Smith
12.45 – 2.00pm	<i>Lunch</i>	
2.00 – 4.00pm	Active Learning Session <ul style="list-style-type: none"> <li>The whole afternoon focused on finalising protocols by each working group and with support from the Institute staff</li> </ul>	A/Professor Rohina Joshi Phillipa Smith
4.00pm	<i>Close</i>	

#### Day 5: Topic overviews – Friday 7 December

Outcome of active learning sessions in Days 1 – 4 will be study protocols.

Day 5 will focus on protocol presentations and feedback

	Topic	Presenter
9.30 – 11.30am	<ul style="list-style-type: none"> <li>Presentation by group 1 (45 minutes) followed by feedback (15 minutes)</li> <li>Presentation by group 2 (45 minutes) followed by feedback (15 minutes)</li> </ul>	A/Professor Rohina Joshi Helen Monaghan
11.30 – 11.45am	<i>Morning Tea</i>	
11.45 – 12.45pm	Presentation by group 3 (45 minutes) followed by feedback (15 minutes)	A/Professor Rohina Joshi Helen Monaghan
12.45 – 1.15pm	Presentations of Certificates of Completion	
1.15pm	<i>Lunch</i>	