

Venue: Clinical Sciences Building, Conference Room 4, Level 4		
Day 1 (22 Jul 2024)		
9.15 – 9.30am	Introduction (Trainers and Trainees)	Asst Prof Marie Loh
9.30 – 11.00am	Introduction/Refresher to R - Part 1	Asst Prof Bernett LEE
11.00 – 11.15am	<i>Break</i>	
11.15 – 12.45pm	Introduction/Refresher to R - Part 2	Asst Prof Bernett LEE
12.45 – 1.45pm	<i>Lunch</i>	
1.45 – 3.15pm	Introduction/Refresher to High Performance Computing [HPC]	Asst Prof Bernett LEE
3.15 – 3.30pm	<i>Break</i>	
3.30 – 5.00pm	Refresher on Genetics/GWAS (Theory)	Asst Prof Marie Loh
Venue: Clinical Sciences Building, Seminar Room 7-2, Level 7		
Day 2 (23 Jul 2024)		
9.15 – 9.45am	AWS - Part 1 · Introduction to Cloud	AWS Team (Charlie Lee and team)
9.45 - 10.45am	AWS - Part 2 · Data storage and management (theory + hands-on)	
10.45 – 11.00am	<i>Break Time</i>	
11.00 – 12.30pm	AWS - Part 3 · Genomics analysis on cloud	
12.30 – 1.30pm	<i>Lunch</i>	
1.30 – 3.30pm	BC - Part 1	BC Team (Dimitri and team)
3.30 – 3.45pm	<i>Break Time</i>	
3.45 – 5.00pm	BC - Part 2	
Venue: Clinical Sciences Building, Conference Room 4, Level 4		
Day 3 (24 Jul 2024)		
9.15 – 10.45am	Refresher on GWAS (PLINK; hands-on)	Dr Pritesh Jain + Dr Akash Bahai
10.45 – 11.00am	<i>Break</i>	
11.00 – 12.30pm	Going beyond PLINK (theory + hands-on)	Dr Pritesh Jain + Dr Akash Bahai
12.30pm - 1.30pm	<i>Lunch</i>	
1.30 – 3.00pm	GWAS annotation and related concepts LocusZoom (theory + hands-on)	Dr Pritesh Jain + Dr Darwin Tay? + Dr Akash Bahai
3.00 - 3.15pm	<i>Break</i>	
3.15 - 4.00pm	PRS (Theory) [Zoom]	Dr Ng Hong Kiat
4.00 – 5.00pm	PRS (Hands-on)	Dr Pritesh Jain + Dr Akash Bahai
Venue: Clinical Sciences Building, Seminar Room 7-1, Level 7		
Day 4 (25 Jul 2024)		
9.15am – 10.45am	PRS Performance (theory + hands-on)	Dr Pritesh Jain + Asst Prof Marie Loh
10.45 – 11.00am	<i>Break</i>	
11.00 - 11.45am	Introduction to Mendelian Randomization (includes Sensitivity analyses in MR)	Asst Prof Yew Yik Weng + Asst Prof Marie Loh
11.45am – 12.45pm	<i>Lunch</i>	
12.45 – 2.00pm	2-sample MR (Hands-on)	Asst Prof Yew Yik Weng + Dr Pritesh Jain + Konstanze
2.00 - 2.45pm	Mendelian Randomization - Examples of Application (1)	Dr Theresia Mina
2.45 – 3.00pm	<i>Break</i>	
3.00 – 3.45pm	Mendelian Randomization - Examples of Application (2)	Asst Prof Yew Yik Weng
3.45 - 5.00pm	Single sample MR (Hands-on)	Asst Prof Yew Yik Weng + Dr Pritesh Jain + Konstanze
Venue: Clinical Sciences Building, Seminar Room 7-1, Level 7		
Day 5 (26 Jul 2024)		
9.15 – 10.45am	SMR Colocalization (theory + hands-on)	Dr Pritesh Jain + Asst Prof Marie Loh + Konstanze
10.45 – 11.00am	<i>Break</i>	
11.00am – 12.00pm	Clarification and Q&As	All