

BioTech 45: Hands-on Training in

Next-Generation Sequencing Data Analysis

9:00am – 5:00 pm

Tuesday

9:00am – 10:15am Room 162	NGS Analysis Overview	Vijay Nagarajan PhD (NIAID/AABI)
10:15am – 10:30am	BREAK	
10:30am – 12:00pm Room 162	Computer and Cloud Setup	Vijay Nagarajan PhD (NIAID/AABI)
11:00am – 1:00pm	LUNCH	
1:00pm – 3:00pm Room 162	Linux Basics	Michael Dolan (NIAID)
3:00pm – 3:15pm Room 162	BREAK	
3:15pm – 5:00pm Room 162	Linux Basics	Michael Dolan (NIAID)

Vijay Nagarajan will be the lab assistant for the September 19 Class (1 PM to 5 PM),
September 20 Class (9 AM to 5 PM) and September 21 (9 AM to 5 PM) Classes.

Peter Kosa will be the lab assistant for the September 22 Class (9 AM to 5 PM).

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Wednesday

9:00am – 10:30am Room 162	RNA-Seq analysis	Apratim Mitra PhD (NICHD)
10:30am – 10:45am	BREAK	
10:45am – 12:00pm Room 162	RNA-Seq analysis	Apratim Mitra PhD (NICHD)
12:00pm – 1:00pm	LUNCH	
1:00pm – 3:00pm Room 162	RNA-Seq analysis	Apratim Mitra PhD (NICHD)
3:00pm – 3:15pm	BREAK	
3:15pm – 5:00pm Room 162	RNA-Seq analysis	Apratim Mitra PhD (NICHD)

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Thursday

9:00am – 10:15am Room 162	DNA-Seq Variant Analysis	Husen Zhang PhD (NCI)
10:15am – 10:30am	BREAK	
10:30am – 12:00pm Room 162	DNA-Seq Variant Analysis	Husen Zhang PhD (NCI)
12:00pm – 1:00pm	LUNCH	
1:00pm – 3:00pm Room 162	DNA-Seq Variant Analysis	Husen Zhang PhD (NCI)
3:00pm – 3:15pm	BREAK	
3:15pm – 5:00pm Room 162	DNA-Seq Variant Analysis	Husen Zhang PhD (NCI)

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Friday

8:00am – 10:15am Room 162	ChIP-Seq Analysis	Vijay Nagarajan PhD (NIAID/AABI)
10:15am – 10:30am	BREAK	
10:30am – 12:00pm Room 162	ChIP-Seq Analysis	Vijay Nagarajan PhD (NIAID/AABI)
12:00pm – 1:00pm	LUNCH	
1:00pm – 3:00pm Room 162	Network Analysis	Vijay Nagarajan PhD (NIAID/AABI)
3:00pm – 3:15pm	BREAK	
3:15pm – 5:00pm Room 162	Using the AWS NGSLinux AMI	Vijay Nagarajan PhD (NIAID/AABI)

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