

## TIMETABLE FOR SEMESTER 1, 2024/2025

### BL5223 - ADVANCED MOLECULAR GENETICS (TLL - AUGUST – SEPTEMBER 2024)

Module Coordinator: **Naweed Naqvi** ([naweed@tll.org.sg](mailto:naweed@tll.org.sg))  
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**Note to module registrants: A prior knowledge of (basic-to-advanced) molecular genetics is a prerequisite for this PhD course/module.**

Time: 10:30 am to 12:00 pm (unless otherwise specified in the schedule below)

Venue: Seminar Room 5-41

Temasek Life Sciences Laboratory, 1 Research Link, NUS

Wk	Month	Date/Day	Topic	Lecturer
1	Aug	14 - Wed	<b>(10.15 – 10.25 am)</b> Overview and general introduction to the BL5223 Module	Naweed Naqvi, TLL
		14 - Wed	<i>Genome Architecture &amp; Epigenetic Regulation</i>	Ong Chin Tong, TLL
		16 - Fri	Genome Architecture & Epigenetic Regulation	Ong Chin Tong, TLL
		19 - Mon	Genetic recombination	Uttam Surana, IMCB
2		22 - Thu	Chromatin organization and Centromeres	Kaustuv Sanyal, Bose Institute, India
		23 - Fri	<i>Chromosome Segregation</i>	Kaustuv Sanyal, Bose Institute, India
		26 – Mon	Programmed gene rearrangements & cellular behavior	Uttam Surana, IMCB
4		28- Wed	Genomics / Systems Genetics approaches	Eunyoung Chae, NUS
		30 - Fri	Genome Editing	Eunyoung Chae, NUS
	Sep	02 - Mon	RNA Silencing	Naweed Naqvi, TLL
5		04 - Wed	microRNA Biogenesis and Regulation	Pek Jun Wei, TLL
		06 - Fri	Gene regulation by Long Non-coding RNAs	Pek Jun Wei, TLL
		09 - Mon	Post-translational modifications	Naweed Naqvi, TLL
6		11 - Wed	Cell Signaling	Daisuke Urano, TLL
		13 - Fri	Cell Signaling	Daisuke Urano, TLL
		17 - Tue	Protein-protein Interactions	Chandra Verma, BII, Singapore
		17 – Tue 2.30 pm	Protein-protein Interactions / Alpha-Fold	Chandra Verma, BII, Singapore
			NUS Recess Week: 21 Sep – 29 Sep 2024	