

## **IAMM PG Assembly**

### **Amrita Institute of Medical Sciences, Kochi**

**September 15 to 17, 2022**

#### **Topic: Clinical and Molecular Microbiology**

<b>Time</b>	<b>Day 1</b>	<b>Faculty</b>
8.30- 9.00 am	Course Overview & Pre Test	Microbiology
9- 9.45 am	CLSI updates & Expert rules	Microbiology
9.45 -10.30 am	Carbapenem resistant organisms	Microbiology
10.30 am -11.45 am	Syndromic testing	ID Clinician
11.45 am – 12.30 pm	Understanding MIC & PK/PD of antibiotics	ID Clinician
12.30 - 1pm	<b>Lunch</b>	
1-3 pm	Demonstration :VIRTUO, VITEK-2, FILMARRAY Syndromic Testing	Microbiology Lab
3-5 pm	Demonstration : Xpert CARBA-R; Hands On: CHROMID® CARBA SMART (Chrome agar), CARBA-NP (biomerieux)	Microbiology Lab

<b>Time</b>	<b>Day -2</b>	<b>Faculty</b>
9- 9.45 am	Basics of PCR	Molecular biology
9.45 -10.30 am	Basics of Sequencing	Molecular biology
10.30 am -11.45 am	Clinical application of WGS-TB	Microbiology
11.45 am – 12.30 pm	High resolution Melt Curve analysis	Molecular biology
12.30 - 1pm	<b>Lunch</b>	
1-3 pm	Demonstration :SARS-CoV-2 Sanger sequencing	Molecular biology
3-4 pm	Demonstration : High resolution Melt Curve analysis	Molecular biology
4-5 pm	Demonstration : Xpert MTB ultra & MTB/XDR	Microbiology Lab

<b>Time</b>	<b>Day 3</b>	<b>Faculty</b>
9- 9.45 am	Establishing AMSP	ID Clinician
9.45 -10.45am	Demonstration : Scanning electron Microscopy of bacteria and yeast	Molecular biology
10.45 am -11.45 am	OSPE : 5 cases	Microbiology
11.45 am – 12.30 pm	Feedback from participants & Post Test	Microbiology
12.30 - 1pm	Valedictory	
	<b>Lunch</b>	

A working Tea with snacks will be served at 10.30am and 3.30 pm daily.