

Q-Karyashala 2025

Agenda : Day 1 – Thursday, 26th June 2025

Morning session 8.30 am to 12.45 pm			
Time	Session	Speaker	Venue
08.30 am onwards	Registration	-	AV Rama Rao Auditorium, Chemical Sciences Building, IISc
9.00 am - 9.05 am	Introductory Remarks	-	
9.05 am - 9.55 am	Talk : Engineering Perovskite Quantum Dots Towards Efficient Single-Photon Sources.	Aditya Sadhanala , IISc Bengaluru	
9.55 am - 10.45 am	Talk : New materials and devices for quantum technologies	Arindam Ghosh , IISc Bengaluru	
10.45 am - 11.05 am	High Tea		
11.05 am - 11.55 am	Talk : Milestone Experiments in Condensed Matter Physics	Dhavala Suri , IISc Bengaluru	
11.55 am - 12.45 pm	Talk : Quantum Sensing for Early Detection of Radiation-Induced Cellular Toxicity	Subu Gupta from Quantum Biosciences Vidya Niranjan from MIT Vishwaprayag University	

12.45pm – 2.00 pm	Lunch		Ground Floor, Chemical Sciences Building
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Afternoon session 2.00 pm to 5.15 pm			
Time	Session	Speaker	Venue
2.00 pm – 2.50 pm	Talk : Quantum peripherals	Akshay Naik , IISc Bengaluru	AV Rama Rao Auditorium, Chemical Sciences Building, IISc
2.50 pm – 3.30 pm	Quiz session	MTech students	
3.30 pm – 3.50 pm	Orientation of workshop 1- Raman Spectrometer for Quantum technology applications.	Marudachalam Shanmugasundara , Horiba India	
3.50 pm – 4.15 pm	High Tea		
4.15 pm - 4.35 pm	Orientation of workshop 2- Mach-Zehnder Interferometer An Ultra Phase-Stable Common Path Interferometer for Fourier Transform Spectroscopy and Related Applications	Sayan Ghosh , IISc Bengaluru Sanjoy Patra , IISc Bengaluru	
4.35 pm - 4.55 pm	Orientation of workshop 3- Pulsed ND Yag Laser Title : ND Yag Lasers in Quantum Science: Applications and Insights.	Soumyadip Halder , Quan2D Technologies	
4.55 pm - 5.15 pm	Orientation of workshop 4- Closed Cycle Optical Cryostat Title : Operation and functioning of closed cycle optical cryostat	Gaurav Salwan , IISER Tirupathi	

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Agenda : Day 2 – Friday, 27th June 2025

*For Batch A**

Morning session 9.00 am to 1.00 pm		
Time	Session	Venue
9.00 am - 1.00 pm	Instrument Demo (Workshop 1, 2, 3 & 4)	Chemical Sciences Building , CeNSE and IDR, IISc

*For Batch B**

Morning session 9.00 am to 1.00 pm		
Time	Session	Venue
9.00 am - 1.00 pm	Hands on training by Keysight Technologies	AG-09, Chemical Sciences Building, IISc
10.45 am – 11.05 am	High Tea	Ground Floor, Chemical Sciences Building
1.00 pm – 2.00 pm	Lunch	Ground Floor, Chemical Sciences Building

*For Batch B**

Afternoon session 2.00 pm to 6.00 pm		
Time	Session	Venue
2.00 pm - 6.00 pm	Instrument Demo (Workshop 1, 2, 3 & 4)	Chemical Sciences Building , CeNSE and IDR, IISc

*For Batch A**

Afternoon session 2.00 pm to 6.00 pm		
Time	Session	Venue
2.00 pm - 6.00 pm	Hands on training by Keysight Technologies	AG-09, Chemical Sciences Building, IISc
3.50 pm – 4.15 pm	High Tea	Ground Floor, Chemical Sciences Building

** Please note that the segregation of the batch will be provided in the ID cards.*