



ICGA FOUNDATION
&
GUJARAT TECHNOLOGICAL UNIVERSITY
SCHOOL OF APPLIED SCIENCES &
TECHNOLOGY

Are jointly organizing

Hands-on Workshop

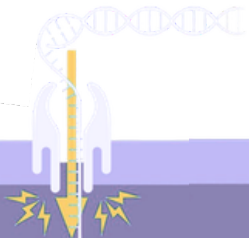
ONCOBIOME INTELLIGENCE: SEQUENCING
CANCER MICROBIOMES WITH OXFORD
NANOPORE



30th June & 01st July 2026



GTU-SAST, Academic Block 1,
Gujarat Technological University,
Chandkheda, Ahmedabad



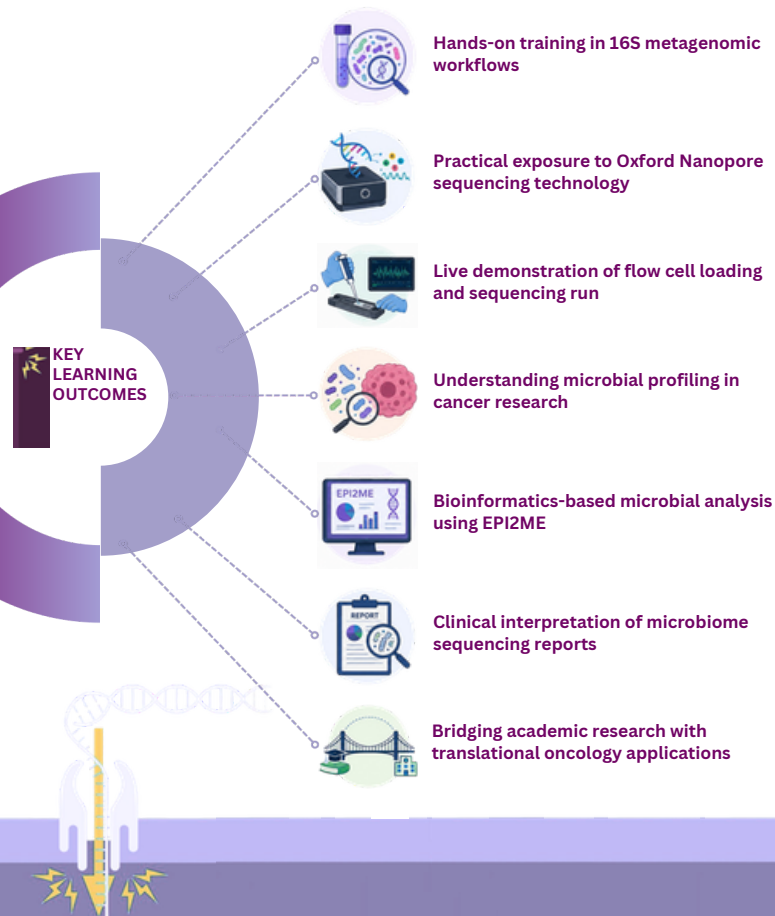
ICGA Foundation is a not-for-profit, public-private-philanthropic partnership set up as a Section 8 Company to host the Indian Cancer Genome Atlas (ICGA). Our mission is to build a comprehensive and “responsible” free-to-access database of genetic information on cancers common in India, addressing the critical need for localized data. By linking this information to clinical outcomes, we aim to empower researchers and clinicians to improve treatments, advance personalized medicine, and save lives. Together, we can revolutionize cancer care for India’s population and create a future where cancer is better understood and more effectively treated. CGA envisions a future where every cancer patient in India benefits from personalized, data-driven treatment options, resulting in better outcomes and improved quality of life. By pioneering a world-class cancer genomics resource, it aims to lead the way in transforming cancer research and care, not only in India but globally. The ICGA is a long-term collaborative effort between cancer scientists, basic researchers, oncologists, data scientists, and technology providers to facilitate precision medicine and improve translational cancer research in India.

GTU-School of Applied Sciences & Technology (SAST) is the recent addition to the technology education portfolio of Gujarat Technological University, Ahmedabad, Gujarat. SAST, established in the academic year 2021, is aimed at providing skilled and trained personnel in the fields of biotechnology, bioinformatics, and computer science and invites next-generation professionals to start the journey towards a successful career in such professional domains. The school is a budding institution with state-of-the-art infrastructure and laboratory facilities. The School of Applied Sciences and Technology consists of highly qualified faculty members with industrial experience who are experts in their domain, thereby providing students with excellent guidance and expertise.



OBJECTIVES:

This workshop is specifically designed to provide participants with both conceptual understanding and practical expertise in cancer microbiome sequencing workflows.



DETAILED PROGRAM SCHEDULE:

Day 1 (30/06/2026):	10:30 AM – 11:00 AM	Inauguration
16S PCR & Nanopore Sequencing	11:00 AM – 12:00 PM	DNA Quantification using Nanodrop and Qubit, Agarose Gel Electrophoresis
	12:30 – 2:00 PM	Introduction to PCR in 16S Metagenomics & 16S PCR Setup (Lecture during ~2-hour incubation period)
	2:00 – 2:30 PM	Lunch Break
	2:30 -4:30 PM	PCR Product Assessment by Gel Electrophoresis, Nanopore Library Preparation (Hands-on)
	4:30 – 5:30 PM	Flow Cell Preparation & Loading
	5:30 -6:15 PM	Live 16S Nanopore Sequencing Run & Demonstration
	Day 2 (01/07/2026):	10:30 AM – 1:30 PM
EPI2ME Data Analysis & Clinical Interpretation	1:30 – 2:30 PM	Lunch Break
	2:30 – 4:00 PM	Clinical Interpretation of 16S Reports & Case-Based Discussion / Expert Lecture
	4:00 – 5:30 PM	Feedback Session, Certificate Distribution & Closing Ceremony



Who Should Attend?

- Undergraduate & postgraduate students
- PhD scholars
- Faculty members
- Research scientists
- Biotechnology professionals
- Clinicians interested in translational genomics
- Bioinformatics researchers
- Industry professionals working in genomics and molecular diagnostics

Why Should You Attend This Workshop?

- Exposure to advanced sequencing technology
- Real-time wet-lab experience
- Expert-guided training sessions
- Clinical and translational insights
- Networking with researchers and professionals
- Certificate of participation
- Hands-on sequencing workflow training

Registration Details:

Registration Fees:

- **Students:** ₹1,000 + 18% GST
- **Faculty:** ₹1,200 + 18% GST
- **Industry Participants:** ₹1,500 + 18% GST

Important Details:

- **Batch Size:** 25–30 Participants
- **Mode:** Offline Hands-on Workshop
- **Last Date for Registration:** 12th June 2026



Apply Here:

<https://forms.gle/vLfA2aAG3L29Fr6e9>

