



# The Evolution of Precision Medicine – Educational Insights on Biomarkers in Solid Cancer

Course Prospectus

2024

# Preface

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**Nepal Cancer Hospital and Research Center (NCHRC)** is organizing a virtual educational program named "**The Evolution of Precision Medicine – Biomarkers in Solid Cancer.**" This collaborative effort joins hands with esteemed partners, including **SFON, NESRO, NESMO, and ACPN**, with the invaluable support of **4baseCare** Oncosolutions India.

The crux of this initiative is to bestow a wealth of educational excellence upon **Nepal's medical community**. By facilitating an understanding of biomarkers within the context of solid cancer, our shared objective is to extend the reach of **bio-marker-guided precision therapy** to a greater number of deserving cancer patients.

**4baseCare Onco Solutions Pvt Ltd, India**, An **illumina** Accelerator Company headquartered in Singapore and operates a state-of-the-art cancer genomics laboratory in India. **4baseCare** is actively developing cutting-edge precision oncology solutions using **advanced genomics and next-gen digital health technology** to give cancer patients the best chance at fighting cancer.

This program stands as a testament to the power of collaboration and knowledge sharing, fostering a brighter and more precise future for cancer care.

# About the Programme

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This live **E-learning** based program is specifically designed to provide **Practicing Oncologist, Pathologist, Residents and Fellows of Oncology & Pathology** with the **skills and knowledge of genomics** that are required to gain a more competitive edge in their clinical practice and **improve** the **quality of life of our cancer patients**.

The is a **NMC-accredited program**, enabling participating doctors to receive **credit points** and will also receive a **Certificate** upon completion.

This **Course** will:

- ✓ Provide a **detailed overview** of molecular aspects of **cancer genomics** and its applications in today's **Oncology Clinical practice**.
- ✓ Provide the latest concepts in the **field of precision oncology** and the utility of the same in **cancer patient care**.
- ✓ Provide **insights** to read **NGS reports** and how its **interpretation, sample collection & handling** and the basic criteria for a successful sequencing run of the tumor sample.
- ✓ Enable **Next-Gen Oncologists** to utilize **genomics** in **personalizing cancer treatment**.

The programme is scheduled to commence on **Thursday, February 22, 2024**.  
The sessions will be on every Thursday **7:00 PM to 8:00 PM Nepal Time**.

# Course Curriculum

## SESSION 1



February 22, 2024



7:00 PM to 8:00 PM ( NPT )

- **Personalized Treatment for Solid Cancers:** Guideline-Defined Biomarkers and CGP-Informed Approaches.  
Dr. Vidya Veldore, Clinical Director, 4baseCare

## SESSION 2



February 29, 2024



7:00 PM to 8:00 PM ( NPT )

- **Understanding Cancer Genomics:** Fundamentals of Cancer Mutations.  
Dr. Vidya Veldore, Clinical Director, 4baseCare

## SESSION 3



March 07, 2024



7:00 PM to 8:00 PM ( NPT )

- **A Comprehensive Overview of Hereditary Cancer and Cancer Syndromes.**  
Divya Uchil, Senior Genetic Counselor, 4baseCare

## SESSION 4



March 14, 2024



7:00 PM to 8:00 PM ( NPT )

- **Liquid Biopsy: An Emerging Diagnostic Tool for Cancer Detection.**  
Dr. Vidya Veldore, Clinical Director, 4baseCare

## SESSION 5



March 21, 2024



7:00 PM to 8:00 PM ( NPT )

- **The Role of Bioinformatics in NGS Report Interpretation.**  
Dr. Vidya Veldore, Clinical Director & Vyomesh Javle, Clinical Bioinformatics Team Lead, 4baseCare

## SESSION 6



March 28, 2024



7:00 PM to 8:00 PM ( NPT )

- **Challenges and Criteria for Sample Acceptance in NGS Testing.**  
Dr. Sreekanth, Lab Head, 4baseCare

TOTAL COURSE DURATION - 6 HOURS

The course duration is 1 hour sessions per week.

## Who can Apply

This course is open to all **Practicing Oncologist, Pathologist, Residents and Fellows of Oncology & Pathology.**

Scan the below QR to [register](#) for the programme.



## Our Patron



**Dr. Sudip Shrestha**  
Founder and Chairman  
Nepal Cancer Hospital  
and Research Center  
Nepal

**Dr. Sudip Shrestha**, a prominent figure in the medical field, embarked on his journey in 1985, earning his **MBBS** from **JIPMER, India**. He furthered his expertise with an MD in Internal Medicine from **Tribhuvan University, Nepal**, and specialized in **Medical Oncology** at **Rajiv Gandhi Cancer Institute** in India.

Dr. Shrestha's invaluable contributions to **Bhaktapur Cancer Hospital**, where he has been a dedicated member for an extended period, are noteworthy. As the **Executive Chairman of Nepal Cancer Hospital and Research Center**, he continues striving for state-of-the-art cancer treatment in **Nepal**. His visionary efforts include founding organizations for cancer care and advocating for national health policies to cover cancer treatment in Nepal.

## Our Advisors



**Dr. Gisupnikha Prasiko**  
President  
Nepalese Society of  
Radiotherapy & Oncology (NESRO)  
Nepal



**Dr. Bibek Acharya**  
President  
SAARC Federation of  
Oncologist - Nepal (SFO-N)  
Nepal



**Dr. Bijesh Raj Ghimire**  
Medical Director  
Nepal Cancer Hospital  
and Research Center  
Nepal



**Dr. Hari Prasad Dhakal**  
HOD of Pathology  
Nepal Cancer Hospital  
and Research Center  
Nepal



**Dr. Runa Jha**  
President  
Association of Clinical  
Pathology of Nepal (ACPN)  
Nepal



**Dr. Bhola Prasad Rauniyar**  
President  
Nepalese Society of Medical  
Oncology (NESMO)  
Nepal





NEPALESE SOCIETY OF  
MEDICAL ONCOLOGY



SAARC FEDERATION  
OF ONCOLOGISTS - NEPAL



ASSOCIATION OF CLINICAL  
PATHOLOGISTS OF NEPAL

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