DAE Platinum Jubilee Symposium

Organized at

Tata Memorial Centre

Advanced Centre for Treatment, Research & Education in Cancer

Applications of 3D Printing & Bio-printing in Cancer care

Patron
Dr. Pankaj Chaturvedi

Chairpersons
Dr. Prasanna V.
Dr. Navin Khattry

Monday, 1st July 2024

CME Points

Registration free but mandatory before 25th June 2024

Program Overview

10.00 am - 10.15 am	**Inauguration** **Dr. Pankaj Chaturvedi, Director, ACTREC** **Dr. Prasanna Venkatraman, Deputy Director, CRI** **Dr. Navin Khattry, Deputy Director, CRC**
10.15 – 10.30 am	Dr. Vani Parmar, *Past PI 3D Printing lab, ACTREC;* *Chief , Breast Surgical Oncology, HNCII, Mumbai.*
10.30 – 11.10 am	Dr. Shayanti Mukherjee, *Head, Translation Tissue Engineering Lab, HIMR, Monash University, Melbourne, Australia*
11.10 – 11.35 am	Mr. Vikas Garg, *CEO, Prayasta 3D Inventions Pvt Ltd., Bangalore.*
11.35 – 12.00 am	Dr. Vinod Kadam, *Senior Scientist, ICAR-Central Sheep & Wool Research Institute, Tonk, Rajasthan.*
12.00 – 12.15 pm	Ms. Vijeta Jaiswal. *Field Application Specialist, Cellink, India.*
12.15 – 12.30 pm	Mr. Venkatesh Voleti. *Technical Director, Biotron Healthcare India Pvt Ltd, Mumbai.*
12.30 – 12.45 pm	Ms Anubha Mehra *Next Big Innovation Labs (NBIL), Bangalore.*
12.45-01.45 pm	*Lunch Break*
1.45-4.00 pm	Lab visit and Demonstration.

Who Should Attend?

Clinicians, Surgeons & Scientists
Teachers & Students from

- *Dental & Medical Colleges.*
- *Health Science & Life Science.*
- *Basic Science, Engineering & Pharmacy.*

Topics

- *Tissue Engineering*
- *3D Biological Construct*
- *3D Printing & Bio printing*
- *Regenerative Medicine*

Scientific Advisory Committee:

- *Dr. Shayanti Mukherjee, Head, Translation Tissue Engg. Lab, Hudson Institute & Monash University, Australia*
- *Dr. Jyoti Kode, PI Kode Lab, ACTREC*
- *Dr. Deepa Nair, Surgical Oncology, ACTREC*
- *Dr. Arjun Singh, Surgical Oncology, ACTREC*

Organizing Committee:

- *Secretary – Dr. Arjun Singh, OIC, 3D Facility , ACTREC*
  ✉ *3dprinting.lab@actrec.gov.in*
- *Event Co-ordinator – Mr. Akshay Bhavke , 3D Facility, ACTREC*
  Dr. Ojaswini Upasani, ACTREC

Venue:- KS Auditorium, Khanolkar Shodhika, ACTREC, Kharghar, Navi Mumbai

Registration Link:-https://forms.gle/hzy1PKsFfKqaitFT8

About the symposium on

“Application of 3D Printing and Bio printing in Cancer Care”

The 3D Facility, ACTREC, has been actively engaged in designing and 3D printing of brachytherapy applicators, surface moulds, surgical guides, DICOM-based simulation models, and vaginal and rectal dilators. All the above mentioned projects have positively impacted patient treatment and improved cost-effectiveness.

Now, we are excited to announce an enlightening symposium on the "Application of 3D Printing and Bioprinting in Cancer Care" which forms a part of the DAE Platinum Jubilee Celebrations. This event will be held on 1st July 2024 at 10am, in Tata Memorial Centre, ACTREC, Kharghar.

The symposium will feature a series of presentations by leading experts in the field, covering frontline topics viz. Tissue Engineering, Regenerative Medicine, 3D Biological Constructs, 3D Printing and Bioprinting.

This symposium will provide invaluable insights into the revolutionary advancements and applications of 3D printing and bioprinting technologies in cancer care, offering a glimpse into the future of medical science and treatment methodologies.

In addition to the presentations, there will be a half-hour lab visit where attendees can witness the practical applications and ongoing research in this cutting-edge field. This demonstration aims to enhance understanding and inspire further interest and innovation among participants.

DAE Platinum Jubilee Symposium

Scientific Program

Venue: ACTREC, Tata Memorial Hospital, Kharghar Mumbai

1st July 2024

DATE	TOPIC	FACULTY
Session: 3D Printing Applications in Cancer Care, KS Auditorium		
9.30 am - 10.00am	Registration	
10.00 am – 10.15 am	Inauguration	**Dr. Pankaj Chaturvedi**, *Director, ACTREC* **Dr. Prasanna V.**, *Deputy Director, CRI* **Dr. Navin Khattry**, *Deputy Director, CRC*
10.15 am – 10.30 am	Introduction to 3D Printing	**Dr Vani Parmar**, *Past PI 3D Printing lab, ACTREC;* *Chief , Breast Surgical Oncology, HNCII, Mumbai*
10.30 am – 10.45 am	Silicone 3D Printing	**Mr Vikas Garg**, *CEO, Prayasta 3D Inventions Pvt Ltd., Bangalore*
Tea Break		
Bioprinting Applications in Cancer care, KS Auditorium		
11.00 am – 11.40 am	Tissue Engineering, Bioprinting & Scaffolds	**Dr. Shayanti Mukherjee**, *Head, Translation Tissue Engineering Lab, HIMR, Monash University, Melbourne, Australia*
11.40 am – 12.00 pm	Electrospun Nanofibers for Tissue Engineering	**Dr. Vinod Kadam**, *Senior Scientist, ICAR-Central Sheep & Wool Research Institute, Tonk, Rajasthan.*
12.00 pm – 12.15 pm	3D Bioprinter and applications	**Ms. Vijeta Jaiswal**, *Field Application Specialist, Cellink, India*
12.15 pm – 12.30 pm	BioPrinting of 3D Cell Models and Organoids for Cancer Biology & Other Disease Models	**Mr. Venkatesh Voleti**, *Technical Director, Biotron Healthcare India Pvt Ltd, Mumbai*
12.30 pm – 12.45 pm		**Ms Anubha Mehra**, *Next Big Innovation Labs (NBIL), Bangalore*.
Lunch		
Demonstration of Bioprinters		
02.00 pm – 04.00 pm	Make - Cellink Model - BIO X 3D BioPrinter Venue- 3D Facility, KS 137	**Ms. Vijeta Jaiswal** **Mr.Nrupad Shah**,
	Make - Regemat Model- Venue - Seminar Room, CRI	**Mr. Venkatesh Voleti**
	Make- Model- Venue - Conference room, CRI	**Dr Anushree Ghosh,** *Next Big Innovation Labs (NBIL), Bangalore*
High Tea Break		

***Note:** - Based on registration, participants will be divided into three groups for the demonstrations. All three demonstrations will run simultaneously, with the groups rotating every half hour.