One Day DST (SERB) Sponsored National Conference on "Current Paradigms in Cancer Theranostics"

(April 27, 2024)

A BriefReport

Organized by

School of Medical and Allied Sciences
K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram

Venue : Multipurpose Hall
K.R MANGALAM University
Gurugram, India

Preface and Acknowledgements

School of Medical and Allied Sciences organized one day DST (SERB) sponsored National conference on "Current Paradigms in Cancer Theranostics" on 27th April, 2024 in A-Block (Multipurpose Hall) from 9:00 am onwards. The objective of this conference was to upskill the knowledge of students by conducting expert lectures in the field of cancer theranostics by eminent speakers. The event was conducted by co-ordinators Prof. Hema Chaudhary, Prof. Manoj Gadewar and Mr. Debashish.

Title and Objective of the Conference

The objective of One day DST (SERB) sponsored National Conference on "Current Paradigms in Cancer Theranostics" was to up skill the knowledge of students by conducting expert lectures in the field of pharmacology.

Expected outcome

Students will gain the knowledge in the field of cancer theranostics which will help in up skilling the students' knowledge in various areas of theranostics.

Inaugural Function

The conference commenced with an inaugural session marked by enthusiasm and anticipation.

Distinguished guests, including Hon'ble Vice Chancellor, K.R. Mangalam University, Chief Guest Prof. Jagriti Bhatia from AIIMS, New Delhi and eminent speakers from different IlTs graced the occasion with their presence. The opening remarks by Prof. Hema Chaudhary set the tone for the event, emphasizing the significance of interdisciplinary collaboration in addressing contemporary challenges. Prof. Raghuvir Singh Vice Chancellor K. R. Manglam University reiterated the university's commitment to fostering a culture of lifelong learning, particularly in areas as critical as cancer research.

The conference featured distinguished Chief Guest, Prof. Jagriti Bhatia from AIIMS, New Delhi, whose address shed light on the latest trends in cancer theranostics inspiring the audience.

Address of the Invited Speakers

Following the inaugural address, keynote speeches by renowned speakers provided valuable perspectives on the conference theme, igniting intellectual discourse among participants.

Session wise & Track wise Report

Session-I

In his captivating talk on "Nanomaterials for Cancer Therapy and Diagnostics," Prof. Gopinath delved into the exciting advancements at the intersection of nanotechnology and oncology. His insightful presentation provided a comprehensive overview of the transformative potential of nanomaterials in revolutionizing cancer treatment and diagnosis. Professor Gopjnath eloquently elucidqted the promise of nanomaterials in addressing the pressing challenges encountered in cancer therapy. By leveraging the unique properties of nanoscale materials, such as high surface area, tunable surface chemistry, and enhanced cellular uptake, nanomedicine offers unparalleled opportunities for targeted drug delivery. This precision-targeting enables the delivery of therapeutic payloads directly to cancer cells while sparing healthy tissues, thereby minimizing systemic toxicity and improving therapeutic outcomes for patients. Throughout his talk, Prof. Gopinath emphasized the interdisciplinary nature of nanomedicine and the importance of collaboration between scientists, engineers, clinicians, and regulatory agencies. By fostering collaboration and innovation, one can overcome the challenges associated with the translation of nanomaterials from the laboratory to the clinic, paving the way for the development of safe, effective, and clinically viable nanomedicines for cancer therapy and diagnostics.

Prof. Partha Roy with expertise in molecular pharmacology, Prof. Partha Roy elucidated on the role of Natural product in drug development that targets multiple pathways for regulating breast cancer and associated problems His keynote presentation shed light on the integration of herbal medicines in therapeutic interventions for precise cancer management.

Session-Il

Prof. Ajai provided invaluable insights into the efficacy of curcumin and its formulation in disease prevention and treatment, drawing upon evidence from clinical trials. Prof. Ajai's expertise and deep understanding of curcumin's pharmacological properties shed light on its potential as a therapeutic agent in various health conditions. Throughout his presentation, Prof. Ajai highlighted the multifaceted benefits of curcumin, a bioactive compound derived from turmeric, in mitigating disease risk and improving clinical outcomes. He emphasized curcumin's diverse pharmacological effects, including anti-inflammatory, antioxidant, anti-cancer, and neuroprotective properties, which make it a promising candidate for a wide range of health conditions.

The conference attracted a diverse audience, with nearly 200 delegates representing various universities and research institutions. Additionally, parallel poster session was coordinated alongside the technical sessions.

Valedictory Function

In valedictory function three best poster awards were bagged by students of Anand College of Pharmacy, Agra, SGT University, Gurugram and KRMU University, Gurugram. The lively exchange of ideas, coupled with the camaraderie among participants, fostered an atmosphere conducive to learning and collaboration.

In conclusion, the one-day National Conference on Current paradigm in Cancer Theranostics proved to be a resounding success, serving as a platform to come together in the fight against cancer. As the quest for effective theranostic solutions continues, events like these play a crucial role in shaping the future of cancer care and research.

LIST OF INVITED SPEAKERS & SESSION CHAIRS

Sr. No.	Invited Speakers & Session Chairs Name	Organization	Contact Details (email, phone)	Session Day and Time	Topic
	Prof. P. Gopinath	Dept. of Biosciences and Bioengineering 11T Roorkee	gopi@iitr.ac.in	27.04.2024	Nanomaterials for Cancer therapy and diagnostics"

2	Prof. Partha Roy	Dept. of Biosciences and Bioengineering 11T Roorkee	partha@iitr.ac.in	27.04.2024	Natural product inspired drug development that targets multiple pathways for regulating breast cancer and associated problems
3	Prof.Ajaikumar B Kunnumakkara	Dept. of Bioscience & Bioengineering 11T Guwahati	ajai@iig.ernet.in	27.04.2024	Efficacy of curcumin and its formulation in disease prevention and treatment: insights from clinical trial