

NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME ON IMPACT OF INTERDISCIPLINARY RESEARCH IN DRUG DISCOVERY AND DEVELOPMENT

School of Medical and Allied Sciences organized a five-day Online Faculty Development Programme from 20th to 24th July 2020.

Prof Saahil Arora and Prof Manoj Gadewar from SMAS were the conveners of the program. Dean, SMAS, Prof Nitin graced the event on all the days.

Professor Aditya Malik, Vice-Chancellor, KRMU was the chief guest. Sir, in his welcome speech congratulated the School of Medical and Allied Sciences for organizing the event. He emphasized on the relevance of interdisciplinary research in present times.

Dr. Arghya Sett, Post-Doctoral Research Fellow, University of Bordeaux France was the first speaker. He delivered his talk on "Aptamer a magic molecule for theranostic applications." Dr Sett explained that aptamers are short segments of DNA, RNA, or peptide that binds to a specific molecular target such as a protein. Biotechnology research is off late focusing on the unique characteristics of aptamers and is exploring their usage in the identification of new targets, as direct therapeutics, conjugates for targeted drug delivery, and agents for enhanced detection and monitoring. Aptamers are creating new possibilities in drug development.

Mr. Pramod Kumar, Drug Inspector, Central Drug Standard Control Organization addressed the participants on the topic "Overview and way of implementation of medical devices rules 2017 in India". He shared that the Indian law regulating the quality and safety of medical devices has been amended and is now applicable to all medical devices, effective from April 1, 2020. Mr Pramod also shared the list of 37 categories of regulated medical devices.

Mr Manish Kumar, Drug Inspector, CDSCO, Ministry of Health & Family Welfare, Government of India, apprised the audience about the "New Drug and clinical trial rules 2019."

Dr Suradip Das, is currently a postdoctoral fellow at the Department of Neurosurgery, University of Pennsylvania. His research involves, "bio fabrication of innervated tissue engineered muscles and investigating the implications of reinnervation in augmenting functional neuromuscular regeneration following severe musculoskeletal trauma." Dr Suradip in a simplistic manner explained the complications associated with nerve innervation in muscles and its regeneration.

Dr. Yogesh Kulkarni, Associate Prof, NMIMS University, Mumbai delivered his lecture on "New drug discovery process and prospects." Dr Yogesh explained the newer technologies, which can be used to target medical products to specific sites within the body and to manipulate genetic material.

Dr. Abhinav Garg, Manager, Research & Development Arbro Pharmaceutical Pvt. Ltd discussed on the topic "NDE lipid system in liquid filled hard capsule: A case study for early pharma, food product market entry." He threw light on the possibility of incorporating liquids in hard gelatin capsule shells. He emphasized on the importance of commercialization of potential research drug candidates.

Mr. Vinod Arora, Associate Director, Development Operations, Kinapse delivered a talk on "Medical Writing in Pharmaceutical/ Healthcare Industry." He explained the complex processes of clinical trials and regulatory procedures that lead to market approval for launch of new drugs. He shared that after gaining experience; one can work as a freelancer medical writer as well.

Dr. Vandana Chaudhary, Post-Doctoral Fellow School of Pharmacy, The University of Queensland, Australia and Dr. Ved Parkash, Associate Scientist Global Research, Novo Nordisk A/S Copenhagen, Denmark shared their views on "Education: 4.0 and advanced research for commercialization". Both the speakers emphasized on the paradigm shift that's required in the field of education. They shared case studies and personal experiences to explain the utmost urgency of adopting the newer teaching methodologies. Education 4.0 may reduce the academia-industry gap by a considerable amount.

Ms. Swati Mukharjee, DGM, Formulation & Development, Kusum Healthcare Pvt. Ltd explained the "Role of research and development in life cycle of generic product worldwide." Ms Swati shared a few tips and tricks to prolong the Life cycle of a product to sustain profits, the varied newer formulations that are entering pharmaceutical markets and also the ones that are anticipated in near future.

Mr. Jagdish Chander, DGM, Regulatory Affairs, Kusum Healthcare Pvt. Ltd threw light on the "Role of regulatory affairs in research and development and in life cycle of generic product worldwide." The talk focused on the regulatory requirements and documentation needed at each step of pharmaceutical production, both for branded and generic products. Mr Jagdish explained with the aid practical examples and the real-life problems encountered by him as an expert.

The session ended with a question-answer round. Prof Nitin, Dean, SMAS concluded the 5-day FDP by presenting Vote of Thanks to all the panelists, conveners, faculty coordinators and the delegates who participated in the program.

event-national-level-faculty-development-programme

Programme Schedule

Session	Session details	Resource person	Timing
Session 1 20.7.2020	1. Aptamer a magic molecule for theranostic applications	1. Dr. Arghya Sett, Post Doctoral Research Fellow, University of Bordeaux France	1:30-2:30 PM
	2. Overview and way of implementation of medical devices rules 2017 in India	2. Mr. Pramod Kumar, Drug inspector, Central Drug Standard Control Organisation	2:30-3:30 PM
Session 2 21.7.2020	1. Engineering strategies to repair the neuromuscular system	1. Dr. Suradip Das, Post Doctoral Research Fellow, University of Pennsylvania, USA	1:30-2:30 PM
	2. New Drug and clinical trial rules 2019	2. Mr. Manish Kumar, Drug inspector, Central Drug Standard Control Organisation	2:30-3:30 PM
Session 3 22.7.2020	1. New drug discovery process and prospects	1. Dr. Yogesh Kulkarni, Asso Prof, NMIMS University, Mumbai	1:30-2:30 PM
	2. NDE lipid system in liquid filled hard capsule: A case study for early pharma, food product market entry	2. Dr. Abhinav Garg, Manager, Research & Development Arbro Pharmaceutical Pvt. Ltd	2:30-3:30 PM
Session 4 23.7.2020	1. Medical Writing in Pharmaceutical/ Healthcare Industry	1. Mr. Vinod Arora, Associate Director, Development Operations, Kinapse	1:30-2:30 PM
	2. Education: 4.0 and advanced research for commercialization	2. Dr. Vandana Chaudhary, Post Doctoral Fellow School of Pharmacy, The University of Queensland, Australia 3. Dr. Ved Prakash, Associate Scientist Global Research, Novo Nordisk A/S Copenhagen, Denmark	2:30- 3:30 PM
Session 5 24.7.2020	Role of research and development and regulatory affairs in life cycle of generic product worldwide	1. Mr. Jagdish Chander, DGM, Regulatory Affairs, Kusum Healthcare Pvt. Ltd 2. Ms. Swati Mukharjee, DGM, Formulation & Development, Kusum Healthcare Pvt. Ltd	1:30- 3:30 PM



National Level One Week Online Faculty Development Programme

on

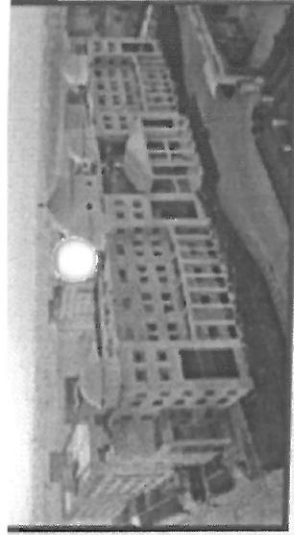
IMPACT OF INTERDISCIPLINARY RESEARCH IN DRUG DISCOVERY AND DEVELOPMENT

20th-24th July, 2020

Organized by

SCHOOL OF MEDICAL AND ALLIED SCIENCES

[Click here for REGISTRATION](#)



ABOUT THE UNIVERSITY

K.R. Mangalam University, Haryana is a State Private University established under Haryana Private Universities Act and is empowered to award degrees under section 2f of the UGC Act, 1956.

ABOUT THE SCHOOL OF MEDICAL AND ALLIED SCIENCES

The School of Medical and Allied Sciences at K.R. Mangalam University takes pride in its professional and highly qualified faculty members, state of art infrastructure, cutting edge technology lab resources in the fields of pharmaceutical sciences that leads toward development of professionals who are committed for excellence in their personal and professional endeavours and also to match the industry practices through research, training and consultancy programmes. Hence, the School makes a meaningful contribution to the pharma education in overall development of students and further to the nation. The approach to pedagogy combined with extensive lab work, short term courses and research project based learning enable the school to excel in its towards excellence in the field of pharma education and research.

ABOUT THE PROGRAMME

To develop and improve the research skills, increase the compatibility with students and understand their psychological state the faculty are exposed to the exhaustive program which includes a series of lecture on impact of interdisciplinary research in drug discovery and development and its role in healthcare. This programme enables the faculty for upgrading the research skills and soft skills which ultimately cause effective conduct of lecture and practical for students benefit.



Speakers from Industry and Academia



Dr. Arghya Sett,
Post Doctoral Research
Fellow,
University of Bordeaux
France

Dr. Suradip Das,
Post Doctoral Research
Fellow, University of
Pennsylvania, USA



Mr. Manish Kumar,
Drug inspector, Central
Drug Standard Control
Organisation

Dr. Yogesh Kulkarni,
Asso Prof,
NMIMS University,
Mumbai



Dr. Abhinav Garg,
Manager, Research &
Development
Arbro Pharmaceutical Pvt.
Ltd

Mr. Vinod Arora,
Associate Director,
Development Operations,
Kinapse



Dr. Vandana Chaudhary,
Post Doctoral Fellow
School of Pharmacy, The
University of Queensland,
Australia

Dr. Ved Prakash,
Associate Scientist
Global Research, Novo
Nordisk A/S Copenhagen,
Denmark



Mr. Jagdish Chander,
DGM, Regulatory Affairs,
Kusum Healthcare Pvt. Ltd

Ms. Swati Mukharjee,
DGM, Formulation &
Development,
Kusum Healthcare Pvt. Ltd

