Date/Day: 9th August 2024 (Friday)

Title: Journey of a Medicine from Lab to Patient: An Industry Perspective

Objective:

- To understand the process of discovery of new drugs and its translation in clinics.
- To understand how pharmacists can contribute to the drug discovery pathway.
- To understand the risks and rewards in the drug development process.

Program Outcome: PO1, PO11

Details of the Resource Person/Event:

- Dr. Snehasis Jana, Chief Scientific Officer (CSO), Trivedi Science Research Laboratory Pvt Ltd, Thane, Maharashtra.

Participants Details:

Total no. of college students: 200

Total no of Faculty: 10

Summary of the Lecture/Activity:

Dr. Snehasis Jana elucidated the difference between a drug and a molecule and between medicine and a drug. He explained the various phases of clinical trials to the audience. He emphasized that today, in the health industry, there is a paradigm shift towards discovery of new biological molecules (nucleic acids, enzymes, antibodies).

Dr. Jana stressed that developing a new medicine takes 12-15 years and costs approximately 2-3 billion dollars. He discussed the average annual R and D spending by pharmaceutical companies and approval of new drugs by USFDA. He cited the reasons for the failure of a new chemical entity in the developmental phases.

Dr. Jana stressed that the design of the experimentation should be such that the propensity of a new chemical entity to fail or succeed must be concluded in the early pre-clinical stages itself. He then took the audience on a journey of drug discovery through the case study of Dabigatran etexilate (DE).

The seminar was well received by the faculty and students in the audience. They were impressed with Dr. Jana's experience and knowledge

Brochure/Photo Gallery:

Key Outcome of the Lecture/Activity:

The audience appreciated the session which focused on goals and challenges of drug discovery and development.

Link for social media:

LinkedIn :	https://www.linkedin.com/posts/h-k-college-of-pharmacy-mumbai-303524222_research-and-innovation-committee-in-collaboration-activity-7229410071489785859-GFMS?utm_source=share&utm_medium=member_desktop
Facebook :	https://www.facebook.com/photo/?fbid=943933861079590&set=a.470185965121051
Instagram	https://www.instagram.com/p/C-pPRJVO-Su/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFlZA==

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