

Dr. Awadh Bihari Yadav and Dr. Munish Kumar

Centre of Biotechnology and Department of Biochemistry, University of Allahabad, Allahabad are jointly organizing, Global Initiative for Academic Network (GIAN) Course from October **12th to 22th, 2019** on “**Nanoparticle technology & applications in targeted drug delivery towards treating various cancers**”. Dr. Pavan Muttli from University of New Mexico (UNM), USA would be taking lecture in the course. Inauguration of the GIAN course will be held on October 12, 2019 at 10:00 A.M in Auditorium of Centre of Food Technology, AU. Prof. R. L. Hangloo, Vice-Chancellor, University of Allahabad will chair the Inaugural Session. Prof. R. K. Singh (local GIAN coordinator) will discuss the GIAN program and its features. Dr. Pavan Muttli is an Associate Professor in the College of Pharmacy at University of New Mexico (UNM), USA. Dr. Muttli obtained his Ph.D. degree from Central Drug Research Institute, Lucknow and did his postdoctoral research at University of North Carolina (UNC), Chapel Hill, U.S.A; he started his independent research at University of New Mexico. His academic career has focused on the targeted delivery of therapeutics molecules such as protein, vaccine, drug molecules to the lung for the treatments of lung diseases. His research work supported by several federal grants, he employs different techniques to developed new nanocarrier based formulation which show better activity & protection than existing therapy. He has published more 30 high impact research papers in peer-reviewed journals, three review papers and four book chapters. Dr. Muttli has funding from most prestigious funding agency in USA such as National Institute of Health (NIH), Bill and Melinda Gates Grand Challenges Exploration, Defense Threat Reduction agency (DTRA; US Department of Defense). Dr. Muttli was awarded the prestigious Bill and Melinda Gates Foundation grant to develop an inhaled vaccine against tuberculosis in 2012; he developed a live bacterial vaccine as dry powders, and when delivered by the pulmonary route was shown to be more potent compared to systemically delivered vaccine. Dr. Muttli is also a young and dynamic teacher and was awarded the “Faculty Appreciation Award’ for teaching in 2015 & also awarded the “teacher appreciation award” by the professional pharmacy students at the University of New Mexico, College of Pharmacy in 2016. The 2week GIAN course will consist of participants from throughout India. The course will consist of four modules:

Module 1: Introduction of Nanotechnology and their applications in cancer treatments (8 lectures);

Module 2: Nanotechnology based delivery system for delivery of therapeutics molecules to the lungs (6 lectures)

Module 3: Future Different targeted therapy for the treatments of lung cancer (2 lectures)

Module 4: Development of diagnostic and therapy (theranostic) for lung cancer (4 lectures)

***The course will also consist of lab sessions and experimental demonstrations**

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