Imran Ali, J Cancer Sci Ther 2012, 4:10
http://dx.doi.org/10.4172/1948-5956.S1.026

OMICS Group Conferences
Accelerating Scientific Discovery

2nd World Congress on
Cancer Science & Therapy

September 10-12, 2012 Hilton San Antonio Airport, USA

Nano anti-cancer drugs: Future magic medication

Imran Ali
Jamia Millia Islamia (Central University), India

Routine chemotherapy for cancer treatment has several side and toxic effects. Recently, a new approach of nano anti-cancer drug has been developed and only few drugs are available in the market today. The unique features of these drugs are targeted action on cancer cells only without any side effect and, hence, called magic drugs. The important molecules used for preparation of nano anti-cancer drugs are cisplatin, carboplatin, bleomycin, 5-fluorouracil, doxorubicin, dactinomycin, 6-mercaptopurine, paclitaxel, topotecan, vinblastin and etoposide etc. The most commonly used materials for preparing nano particles carriers are dendrimers, polymeric, liposomal, micelles inorganic, organic etc. The proposed lecture will comprise the-of-art of nano drugs in cancer chemo-therapy including preparation, types of drugs, mechanism, future perspectives etc.

Biography

Dr. Imran Ali has completed his Ph.D. at the age of 27 years from Indian Institute of Technology, Roorkee, India. He has enjoyed various positions in abroad. Dr. Imran Ali is an academician and researcher of International repute. He has published five books from Taylor & Francis, USA; John Wiley & Sons, USA; Marcel Dekker, Inc., USA; John Wiley & Sons, UK and Elsevier, The Netherlands publishers. He has authored more than 250 publications with 2,700 Scopus citations. He is Editor of ScienceJet Journal and on editorial boards of 10 Scientific Journals.

drimran_ali@yahoo.com