Special Thematic Issue for Current Topics in Medicinal Chemistry

Anti-Cancer Drug Discovery: Structure, Function, And Novel Strategy

Guest Editor: Dr. Suman S Thakur

Aims & Scope:
Development of novel anti-cancer drugs is one of the most important theme in cancer research. Natural products and synthetic compounds have been searched extensively to cure different kinds of cancers and still search is on for finding novel compounds. Great effort has been done to find the target of anti-cancer drugs. Further target specific compound is being developed to cure cancer. Correlation between structure and function is one of the important aspects for success of anti-cancer compounds. In recent years strategic drug development program against the cancer has been initiated including high throughput screening of compound using bioinformatics, various cell lines, patient-derived tumor xenografts and drug delivery system. The purpose of this special thematic issue is to summarize the use of ongoing strategy for anti-cancer drug discovery and their valuable contribution for the expansion in the field of medicinal chemistry.

Keywords: Anti-cancer drug, structure, function, Medicinal chemistry, and Drug development

Subtopics:
The subtopics to be covered within this issue are listed below:

- Novel Natural product compounds: Flora to Fauna (including marine resources)
- Developing better synthetic compounds /ligands: Targeting the receptor, oncogene, signaling pathway, DNA-Protein interaction, Epigenetics
- Looking towards Peptide: acyclic to cyclic, (including natural and synthetic)
- Structure and Function
- High throughput screening of compound including Repurposing of Drug
- Development of Drug using New model system /Proteomics /transcriptomics / genomics approach
- Understanding the complex cancer signaling mechanism of metabolome and proteome including post translation modification
- Monoclonal antibody and activation of cancer suppresser gene

Schedule:

- Manuscript submission deadline : 31 May 2018
- Peer Review Due : 30 June 2018
- Revision Due : 31 July 2018
- Announcement of acceptance by the Guest Editors : 15 August 2018
- Final manuscripts due : 31 August 2018

Contacts:
Guest Editor: Dr Suman S Thakur
Affiliation: Senior Scientist
Proteomics and Cell Signaling, Lab E409
Centre for Cellular and Molecular Biology
Habsiguda, Uppal Road, Hyderabad - 500 007, Telangana, India
Phone: 91-40-27192865 (Office); 91-40-27192607 (Lab)
ORCID ID: http://www.orcid.org/0000-0001-5928-8836
Email: ssst@ccmb.res.in
Any queries should be addressed to ctmc@benthamscience.org.