Tentative Outline

Special Thematic Issue for Current Topics in Medicinal Chemistry

Recent advances in drug discovery and cancer diagnoses

Guest Editor: Jian Zhang，Haiting Chai

Aims & Scope:

In modern pharmaceutical companies, in-silico drug discovery has become a promising solution for finding new drugs or detecting potential targets of preselected biomolecules. The process of drug discovery involves target identification, drug synthesis, virtual screening, and assays for therapeutic efficacy. Cancer is a major public health problem in the world. According to the recent survey from World Health Organization and International Agency for Research on Cancer, more than 18 million new cancer cases were diagnosed in the world in 2018. The results of tissue diagnosis, blood tests, computed tomography scans, cytogenetical analyses and etc. can provide informative clues about molecular changes and indicate proper prognoses. Particularly, timely detection of cancer significantly improves cancer outcomes by providing care at the earliest possible stage thus contributes greatly to the prevention of exacerbation and has become an important public health strategy in all settings. The main aim of this thematic issue is to collect and summarize the recent research of all aspects of drug design, virtual screening, drug discovery, cancer diagnosis, prognosis and treatment.

Keywords: Drug discovery, drug design, cancer diagnoses, cancer prognosis and cancer treatment

Subtopics:

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

- ☐ Molecular dynamics and molecular docking
- ☐ Computer-aided drug design
- ☐ Drug discovery and virtual screening
- ☐ Cancer diagnosis, prognosis and treatment

Schedule:

■	Manuscript submission deadline:	Dec 31 2019
■	Peer review due:	Jan 20 2020
■	Revision due:	Jan 31 2020
■	Announcement of acceptance by the guest editors:	Feb 10 2020
■	Final manuscripts due:	Feb 20 2020

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