Aims & Scope:
Cancer metabolism is one of the oldest research areas in cancer biology. Tumor reprogram pathways of nutrient acquisition and metabolism meet the bioenergetic, biosynthetic, and redox demands of malignant cells. Because some altered metabolic features are observed generally across many types of cancer cells, reprogrammed metabolism is considered a hallmark of cancer. Reprogramming may be regulated intrinsically by tumorigenic mutations in cancer cells or extrinsically by influences of the microenvironment. Currently, targeting the signaling pathways of cancer metabolism is an attractive research field for cancer therapy. To date, several molecules targeting tumor metabolism have been approved for clinical treatment. To reflect recent advances in this field, the thematic issue of Current Topics in Medicinal Chemistry welcomes reviews or perspectives on the biological roles of cancer metabolism, related inhibitors for cancer therapy and future outlooks and directions for cancer metabolism research field.

Keywords: Cancer metabolism, Targets, Drug discovery, Inhibitors.

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

- Biological roles of cancer metabolism.
- Strategies, tools and techniques for identification of new inhibitors targeting cancer metabolism.
- Development of inhibitors targeting the signaling pathways that regulate cancer metabolism, particularly targeting the key rate-limiting enzymes.
- Perspectives and future outlooks of a specific area targeting metabolism for cancer therapy.

Schedule:
Manuscript submission deadline: September 30, 2018
Peer Review Due: October 31, 2018
Revision Due: November 30, 2018
Announcement of Acceptance by the Guest Editors: December 10, 2018
Final Manuscripts Due: August 15, 2019

Contacts:
Guest Editor: Xiaoming Zha, Ph. D.
Affiliation: School of Engineering, China Pharmaceutical University, 639 Longmina Avenue, Nanjing 211198, China.
Email: xmqzha@cpu.edu.cn
Any queries should be addressed to ctmc@benthamscience.net