Title of thematic issue: B7-H3 as a biomarker and therapeutic target in cancer

Guest Editors: Caroline E. Nunes-Xavier and Øystein Fodstad

Aims & Scope: With the successful introduction of checkpoint inhibitors in cancer treatment, the B7 family of immune-regulatory ligands has received increasing attention in the oncology field. This proposal for a mini-thematic issue focus on one of the ten B7 family members, B7-H3, which is involved in tumor immunity as well as in various aspects of cancer beyond the immune regulatory function. B7-H3 is considered as a novel immunotherapy target, with several ongoing clinical trials. B7-H3 is overexpressed in various types of cancer and in tumor vasculature, with low expression in normal cells, and B7-H3 is emerging as an important player in tumor aggressiveness not directly dependent on the immune system. B7-H3 has intrinsic tumorigenic effects related to enhanced cell proliferation, migration, invasion, and metastatic capacity, as well as to resistance to a variety of anti-cancer agents. The mini-thematic issue will cover various roles of B7-H3 in cancer, as a biomarker and therapeutic target, and will include reviews from 5 expert contributors in the field.

Keywords: B7-H3, Ultrasound Molecular Imaging, human cancers, radioimmunotherapy, tumor progression and EMT

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

- Survey of B7-H3 expression in human cancers
- B7-H3-Targeted Ultrasound Molecular Imaging
- B7-H3-targeted radioimmunotherapy
- B7-H3 targeting in cancer
- B7-H3 in tumor progression and EMT

Schedule:

- Manuscript submission deadline: January 2018
- Peer Review Due: March 2018
- Revision Due: April 2018
- Announcement of acceptance by the Guest Editors: May and June 2018
- Final manuscripts due: July 2018.

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