Tentative Outline
Anti-Cancer Agents in Medicinal Chemistry
Guest Editor: Darja Kanduc

TITLE:
Crossreactivity in Cancer and Autoimmunity

Aims & Scope:
Starting from current models of chemo- and immunotherapy, the issue analyses the critical hurdles in cancer treatments, mostly focusing on immunotherapy and the associated pathologic sequelae of crossreactivity and autoimmunity. The issue contributions converge toward a common aim: to delineate new research paradigms for innovative, effective and safe therapeutic approaches.

Key words:
Immunotherapy – Crossreactivity - Autoantibodies - Polyreactivity – Antigenicity - Immunogenicity - Immunopathogenicity - Immunotolerance

Contributions
1) A doxorubicin-centric pathway for cancer chemotherapy
   Chuan, TJ et al.
   Institute of High Performing Computing, Singapore

2) "Anti-HPV vaccines. The crossreactive potential of HPV L1 proteins"
   Spinosa, JP et al.
   Faculty of Biology and Medicine, University of Lausanne, Lausanne, Switzerland

3) Paraneoplastic pemphigus: autoimmune-cancer nexus in the skin
   Sinha, AA et al.
   Department of Dermatology, University of Buffalo, NY, USA

4) Describing the potential crossreactivity between EBV and tumor suppressor proteins in oral cancer
   Lucchese, A
   Second University of Naples (SUN), Naples, Italy

5) Antibody polyreactivity
   Dimitrov, JD et al.
   Centre de Recherche des Cordeliers, Paris, FRANCE

6) How to make a non-antigenic protein antigenic
   Root-Bernstein, R
   Dept. of Physiology, Michigan State University East Lansing, MI 48824, USA
7) Some considerations about autoantibodies-markers of malignancy. How to reveal the cancer early
Poletaev, AB
Medical Research Center Immunculus, Moscow, Russia

8) Immunogenicity, Immunopathogenicity, and Immunotolerance in Cancer: Melanoma as a Model
Kanduc, D
Department of Biosciences, Biotechnologies and Biopharmaceutics, University of Bari, Bari, Italy.

Schedule:
Manuscript submission deadline: 31th Oct, 2014
Peer Review Due: 30th Nov, 2014
Revision Due: 10th Dec, 2014
Notification of acceptance by the Guest Editor: 15th Dec,
2014 Final manuscripts due: 20th November, 2015