

**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: 30<sup>th</sup> Nov, 2014

Revision Due: 10<sup>th</sup> Dec, 2014

Notification of acceptance by the Guest Editor: 15<sup>th</sup> Dec,

2014 Final manuscripts due: 20<sup>th</sup> November, 2015