

Tentative Outline
Special Issue for Current Organic Chemistry
Guest Editor(s): Valeriya Maryakhina

**TITLE: Peptide interactions in investigations of bacterial
and somatic cells**

Aims & Scope:

Fluorescent diagnostics of cancer diseases is one of most dynamical spread scientific field. This type of diagnostics connects on probes and photosensitizers using which can interact with peptides. At the time, cancer development connects on peptide metabolism change. Concentration of peptides and their type impact on the results of measurements. This scientific field is multidisciplinary. In the special issue we would like to discuss about recent investigations of different peptide interactions both in unmoved medium and in blood flow. The most interest fields are such as chemical kinetics and mechanisms of peptides interaction with metals, novel photosensitizers and cell membrane.

Subtopics:

- Interactions of peptides with metals both stationary medium and blood flow
- Interactions of peptides with fluorescent probes and photosensitizers both stationary medium and blood flow
- Participation of reactive oxygen species in peptide interactions
- To impact anticancer preparations on peptide synthesis
- Novel antibacterial preparations
- Novel anticancer preparations

Approximate Schedule:

- Manuscript Submission Deadline: 12/01/16
- Peer Review Due: 01/15/17
- Revision Due: 02/01/17
- Notification of Acceptance by the Guest Editor: 02/08/17
- Final Manuscript Due: 02/15/17