Tentative Outline

Anti-Cancer Agents in Medicinal Chemistry

Guest Editor(s): Dr Francesco Perri

TITLE: The role of translational research as new frontier in oncology

Aims & Scope:
Translational research can be defined as the quick application in the clinical practice of the “basic research”. We can explain its role defining it as the detection of specific biomolecular features able to guide the therapy choice in solid tumours. The aforementioned biomolecular features may be typical of the tumour or of the patients, and they can be detected in blood sample or in tumour tissues using different methodologies, starting from immunoistochemistry (IHC) until real time polymerase chain reaction (RT-PCR).

Translational research may help the clinician in different way, but mainly, it give us the possibility to perform a well shaped therapy, based on the tumour and patients characteristics.

Translational research is overall easy to perform, and it may be employed in the management of several solid tumours, among which breast cancer, colo-rectal cancer and lung cancer, which represent the so-called “big killers”. Nevertheless recent data prompt us to also use it in other situations such as prostate cancer, malignant melanoma and squamous cell carcinoma of the head and neck.

Aim of our “topic” is to describe the role of translational research in the management of the main solid tumours. So, we will realize different mini-reviews which can explain the help which translational research may provide in treating them.

Key words: Translational research, biomarkers, prognostic, predictive factors.

Subtopics:

List of tentative titles of papers to be included in the “Topic”

1. How can we optimize therapy options in squamous cell carcinoma of the head and neck: the role of translational research. (Dr Francesco Perri)

2. The role of translational research in breast cancer: is it possible to improve the therapeutic scenario? (Dr Mario Giuliano)

3. Translational research in Malignant Melanoma: new therapeutic prospective. (Prof. Stefano Pepe)

4. From biology to therapy: Improvements of therapeutic options in Lung cancer. (Dr Alessandro Morabito)
5. Understanding the biology may allow an improvement of advanced prostate cancer therapy. (Dr Gaetano Facchini)

6. Histology guided therapy: latest updates (Chiara Carlomagno)

**Schedule:**
- Manuscript submission deadline: 1st November, 2016
- Peer Review Due: 1st December 2016
- Revision Due: 1th January 2017
- Notification of acceptance by the Guest Editor: 1th February 2017
- Tentative Publication Date: March, 2019