Special Issue for Recent Patents on Medical Imaging
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Translational Application in Molecular Imaging and Clinical Care Medicine

Aims & Scope:
Translational Application in Molecular Imaging and Clinical Care Medicine presents original research contributions on the utilization of molecular imaging and clinical care medicine pivoting the translational medicine approach. It encompasses problems and challenges in medicine from ‘bench to bed sides’. The primary objective of the journal is to provide a forum for the discovery of molecular imaging mechanisms of health and clinical care problems via the translational concept. Among the topics covered are molecular imaging application in oncology, infection, neurology, cardiology and investigations of molecular biology and macromolecular targets involved in significant biological processes; design and evaluation of molecular probes used to investigate macromolecular targets and their functions; and study of in vivo animal models of disease for the development of new molecular diagnostics and therapeutics and issues related to rare discoveries of disease spectrum in medicine. One of the main entity of the molecular imaging concept – Bioinformatics and Genetic would feature as a dominant adjunct to the molecular imaging issues in particular how the genetic profiling influences the molecular behaviors of human tissue. It also includes new ideas in non-clinical technologies i.e. Science Physic and Chemistry and Engineering Science whereby the ever changing applications could spur many prototype machines for molecular imaging. The overall goal is to translate basic science discoveries into molecular imaging and hence the application in routine medical care and therapeutic, both to investigate the biological nature of disease in actual patients and to portray how these processes can be establish to allude changes that underpin the pathological processes on the molecular imaging.

Subtopics:
1. Editorial: The new era of molecular imaging in oncology
2. The utility of 18F FDG PET-CT in Phaeochromocytoma/paragangioma patients
3. The importance of MRI as a complimentary role in diagnosing patients with utero-vaginal anomalies
4. The estimation of the absorbed patient dose using a lean body mass in the 18F FDG PET-CT study
5. The role of 18 F FDG PET-CT in evaluating survival of patient with esophageal carcinoma
6. The use of new composite material in sustaining nuclear reactor temperature
7. The utility of 82 Rb perfusion in ischaemic heart disease
8. The value of a contrasted CT imaging in oncology patient

Schedule:
Tentative date of submission: 31st April 2014