

Tentative Outline

Special Thematic Issue for Current Dugs Metabolism

Title of the thematic issue: Drug Metabolism in Drug Combination and Drug Repurposing

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Aims & Scope: In order to really understand the potential of drugs, we have to understand the basis of how a drug acts in the body and its metabolism associated. When a clinician is choosing a treatment for a patient, they are considering many pharmacological parameters such as age, weight, gender, race of patient, the stage of disease, and others connected with the drug. For the last, are considered how often the drug should be given, the dose of the drug and, the most important, the properties of the drug. To decide the most efficient and beneficial treatment for the patient, knowing the fundamental basic concepts of drug metabolism is vital.

In this Special Thematic Issue for Current Drug Metabolism, will be explored the role of Drug Metabolism in Drug Combination and Drug Repurposed, as well the effects of drug metabolism on pharmacokinetics (PK), pharmacodynamics (PD) and safety of classical or repurposed drugs.

6-8 Keywords: Drug Metabolism, Drug Combination, Drug Repurposed, Metabolite, Pharmacokinetics, Pharmacodynamics, Enzymes, Toxicity

Subtopics:

The subtopics to be covered within this issue are listed below:

1. Drug Metabolism in Drug Combination
2. Drug Metabolism in Drug Repurposing
3. Drug Metabolism in Drug Discovery and Development
4. Drug Metabolism for improving PK/PD profiles
5. Drug Metabolism and structure-activity relationships
6. Drug-drug interaction (DDI) and formation of reactive metabolites

Schedule:

- ✧ Manuscript submission deadline: **31-07-2020**
- ✧ Peer Review Due: **31-08-2020**
- ✧ Revision Due: **20-09-2020**
- ✧ Announcement of acceptance by the Guest Editors: **30-09-2020**
- ✧ Final manuscripts due: **15-10-2020**

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