

Special Issue

Frontiers in Connecting Steady-State and Dynamic Approaches for Modelling Cell Metabolic Behavior

Message from the Guest Editors

In this Special Issue, our aim is to bring together the steady-state and the kinetic communities into a coherent set of contributions, drawing the synergistic capacity of both approaches. For example, we envision contributions that address, but are not limited to, the following issues:

- Use of hybrid methods to study flux regulatory mechanisms within a metabolic network;
- Case study-oriented contributions on cell biology, biomedicine, and bioprocesses;
- Multi-level studies, connecting signalling, genomics, transcriptomics, interactomics, etc., to the regulation of a metabolic flux or a distributed set of fluxes.

There is no restriction on cell types or biosystems. By biomedicine, we refer to studies on metabolic diseases and on the study of a metabolic target. Approach limitations and future trends are important issues to be discussed in each study.

Guest Editors

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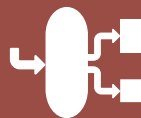
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