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Network Pharmacology Modelling for Drug Discovery

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Deadline for manuscript submissions:
closed (20 September 2022)

Message from the Guest Editor

Recently there has been an increasing need to understand the polypharmacological effects of small molecules for treating complex diseases. Network pharmacology approaches aim at a systems-level modelling of mechanisms of action of drugs by integrating drug-target interaction, protein-protein interaction, and other types of interactome data. The modelling approaches have led to the prediction of drug responses for patients as well as the identification of new targets and new disease indications for existing drugs. In this research topic, we would like to discuss the recent advances in network modeling approaches and their applications in drug discovery for cancer and other complex diseases. Research papers and review articles focusing on computational tool development as well as experimental techniques are welcomed.

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Message from the Editor-in-Chief

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