



Special Issue Reprint

Novel Strategies in the Development of New Therapies, Drug Substances and Drug Carriers 2.0

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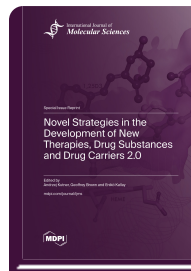
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Anticancer therapy remains a leading area of interest for researchers worldwide. This interest was shared also by the participants of the Interdisciplinary Conference on Drug Sciences, ACCORD 2022. Most of the papers published in this reprint were presented, at least in part, at this conference. The main subjects of the reprint are manifold: markers in neurodegenerative disorders, mediators of inflammation, non-coding micro-RNAs, enzymes regulating cell division, measures to mitigate post-operative side effects of cancer treatment, genetic disorders such as cystic fibrosis, skin disorders, multifunctional biomaterials, plant-derived topical preparations, crystal forms of active pharmaceutical ingredients, innovative drug product formulations, the quality control of drug substances and drug products, including the chemical stability of drug substances and impurity profile, drug membrane permeability and the identification of drug candidates via the virtual screening of a compound library. The topics in this reprint address the identification of the molecular target of new drugs, docking supported by molecular dynamics simulation, quantum chemical simulations, studies of protein–drug interactions, the modeling and optimization of the structure of small molecules with drug-like activity, the determination of the functional profile, pre-formulation studies, new pharmaceutical formulations, preclinical development to the design, and prediction of the efficacy of agents in clinical trials.



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