

Special Issue

Drug Discovery and Development for Renal Disease Treatment

Message from the Guest Editor

So far, drug discovery has undergone a major transformation, progressing from the recognition and refinement of natural products with therapeutic benefits to the systematic screening of molecular libraries on whole organisms or cell lines. Recently, a more target-based approach driven by greater knowledge of the physiological and pathological pathways involved has been focused. A novel target is derived from various sources: clinical research, structural biology, application of in silico methodologies, computational-based toxicology, and advanced manufacturing approaches. Once a target has been validated, numerous processes must be carried out to identify molecules with suitable characteristics to make acceptable drug candidates for clinical studies. Looking to the future, investment in renal drug development must continue to cover the whole translational spectrum (from 'bench to bedside and back again') with the recognition that both biological discovery and clinical understanding will drive drug discovery, providing safe and effective therapies for renal disease. This Special Issue aims to present current efforts in medicinal chemistry and early drug discovery.

Guest Editor

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