Artificial Intelligence in Drug Discovery: Resources, Methods, and Applications

Dunash ben Labrat*

Abstract

The field of drug discovery is constantly seeking innovative approaches to overcome the challenges associated with developing new therapeutics. Artificial Intelligence (AI) has emerged as a transformative technology with the potential to revolutionize the drug discovery process. This abstract provides an overview of the resources, methods, and applications of AI in drug discovery. It highlights the role of AI in addressing the complexities and costs of drug development, while emphasizing its potential to accelerate the identification of novel therapeutic targets and optimize lead compounds. The abstract also discusses the use of AI in clinical trial optimization and drug repurposing, demonstrating its versatility in different stages of the drug discovery pipeline. Additionally, it explores the challenges and limitations of AI, such as ethical considerations and regulatory hurdles, and offers insights into future directions and implications. Overall, this abstract highlights the significant impact of AI in drug discovery and its potential to transform the pharmaceutical industry by improving efficiency, accuracy, and success rates in the development of new treatments.

Ke words:

Introduction

*Corresponding author: Dunash ben Labrat, Department of Medicine and Pharmacy, China, E-mail: dblabrat234@gmail.com

Citation: Labrat D (2023) Artifcial Intelligence in Drug Discovery: Resources, Methods, and Applications. World J Pharmacol Toxicol   :   .

Page 2 of 3

AI Techniques

Experimental Design

Discussion

Citation: Labrat D (2023) Artifcial Intelligence in Drug Discovery: Resources, Methods, and Applications. World J Pharmacol Toxicol   :   .

Page 3 of 3