

AI in Drug Discovery Industry Framework

Focus on Applications of AI for Drug Discovery

Advanced R&D

Biomarkers Development

Drug Discovery

Focus on Applications of AI for Oncology Diagnostics and Treatment

AI-Assisted Diagnostics

At-Home Cancer Detection With AI-Based Devices

Clinical Decision Support

Medical Images Analysis

Patients Outcome Prediction

Personalized Treatment Options Identification

Established Drug Discovery-Oriented Entities

Early Drug Development

Compounds Classification

Drug Repurposing

Identifying New Drug Candidates

Identifying New Drug Pathways

Identifying New Drug Structures

Hit Identification

Lead Optimization

Predictive Drug Modeling

Target Identification

Virtual Screening

Clinical Drug Development

Identifying Drug to Drug Interactions

Identifying New Drug Indications

Identifying New Metabolic Pathways

Identifying Suitable Patients

Imaging Analysis

Patient Stratification

Predictive Modeling

Real-Time Monitoring

End-to-End Drug Development

Automated End-to-End Drug Analysis

Automated End-to-End Drug Production

Predictive Patient Reaction Modeling

Virtual Experiment Processing

Preclinical Development and Automation

ADME/PK Modeling

Experiment Data Analyzing

Preclinical Protocol Optimization

Robotic Hands

High Throughput Screening

Drug Safety Improving

Preclinical Trials Prediction

Preclinical Imaging Analysis

Robotic Laboratories

Collaborative Robots

Data Processing

Chemical Data Analyzing

Clinical Trials Data Analyzing

Imaging Data Analysis

Lab Experiments Data Analyzing