



MediProcessAI

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AI Revolutionizes Medical and Pharmaceutical Image Recognition

Insilico Medicine has taken drug research to a new level with the application of AI. The company uses advanced machine learning tools to identify targets, design molecules, and optimize lead compounds. The Insilico's platforms employed by the company, such as PandaOmics and Chemistry42, significantly reduce the cost and time required to identify drug candidates. For instance, a fibrosis drug candidate was developed in less than 18 months from target discovery to compound validation, at a cost of only \$2.6 million.

Costs and Challenges of Drug Research

Traditionally, drug research and development is an extremely time-consuming and expensive process. Bringing a new drug to market costs an average of \$2.6 billion, and only 2 cents of every invested dollar is returned. Biopharmaceutical companies spend 60% more on research and development than any other industry.

Advantages of AI in Drug Research

Faster Development: In the case of Insilico Medicine, AI enabled reaching the clinical phase in just 36 months, and identifying the molecule in only 21 days.

Cost-Effectiveness: AI-based virtual screening allows smaller biotech companies to be competitive in drug development.

More Accurate Predictions: Machine learning and deep learning algorithms analyze vast datasets, improving predictions of drug candidates' efficacy and safety.

Our LLM-based AI Assistant Specifically Developed for Drug Research:

Analyzes and organizes large volumes of research documentation

Accelerates data analysis and decision-making

Seamlessly integrates into existing research processes

Improves research efficiency and accuracy

Development of personalized therapies

Faster drug development cycles

Reduced costs

Higher likelihood of successful developments