

March 10, 2023

# Revolutionizing drug design and personalized medicine through LENS<sup>ai</sup> Integrated Technology

Uniquely combining  
explicit knowledge  
and cutting-edge AI

**Introducing BioStrand's LENS<sup>ai</sup> software**, the world's only cloud-based platform that integrates and analyzes multi-omics data using artificial intelligence and language modeling algorithms. This unique and powerful software has the potential to revolutionize personalized medicine by streamlining the process of analyzing multiple types of biological data and identifying the most effective treatments for each patient's unique genetic and molecular profile.

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...revolutionize personalized medicine by streamlining the process of analyzing multiple types of biological data.”





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**Personalized medicine is a key concept supported by technology, specifically BioStrand's LENS<sup>ai</sup> software.**

LENS<sup>ai</sup>'s ability to integrate and analyze vast amounts of multi-omics data on a single platform is a game-changer in the field of personalized medicine. Using machine learning algorithms, LENS<sup>ai</sup> can identify biomarkers associated with specific diseases or conditions and help develop personalized diagnostic and prognostic tools that consider each patient's unique biological makeup.

Additionally, LENS<sup>ai</sup> can help accelerate drug development by identifying the most promising drug targets and screening potential drugs in patient-specific models. BioStrand's proprietary language, HYFTs®, organize publicly available biological data into a knowledge graph that captures information about genetic sequences, biological functions, and protein structures.

LENS<sup>ai</sup> provides a unique, powerful, and comprehensive platform for the analysis of multi-omics data that can transform drug discovery, drug development, precision oncology and personalized medicine.

## Single platform game-changer

Multi-omics data analysis involves the integration and analysis of data from different "omes", such as genomics, transcriptomics, and proteomics.

The ability to analyze all types of omics data in one platform is a game-changer in the field of personalized medicine, tailoring patient treatments that account for their unique genetic and molecular makeup.

### Potential benefits:

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1. Identify disease biomarkers.
2. Accelerate drug development - reducing time and cost.
3. Identify safer/effective therapies that reach patients faster.