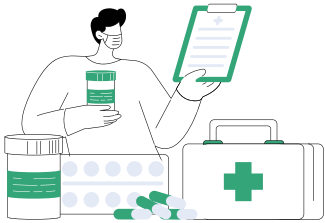


# Transforming the Pharma Industry with State-of-the-Art Generative AI Solutions

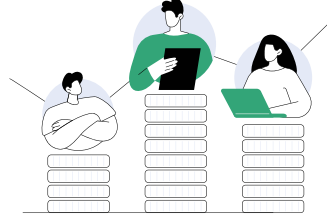
Reimagine your Pharmaceutical Value Chain with our enterprise-ready Generative AI solutions featuring domain-specific LLMs for reinforced data privacy and safety. Achieve unprecedented speed and savings across pharma product development, knowledge synthesis, and research.

## Challenges with Current Generative AI Solutions for Pharma



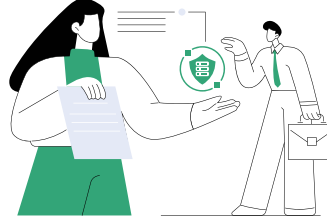
### Clinical Risk:

AI models often hallucinate and function as a 'black box' which may lead to incorrect and false predictions



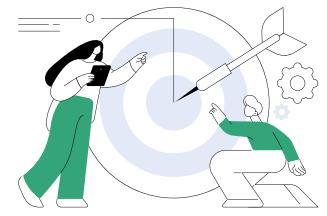
### Social Biases:

AI models often acquire and perpetuate biases when trained on underrepresented or biased data sets



### Data Privacy Risk:

Accessing sensitive patient data raises concerns about privacy and compliance with regulations like HIPAA and GDPR.



### Not trained on biomedical-specific tasks:

AI models may not be specifically trained on biomedical tasks, limiting their effectiveness in accurately predicting outcomes

## Our Targeted Offerings for Pharma Value Chain

### Drug Discovery

- Molecular Generation to design novel drug like molecules
- RNA Sequencing to denoise scRNA-seq data
- Protein generation for creating novel protein sequences
- Protein property predictions

### R&D Knowledge Synthesis

- Virtual Assistant & Self Service Portal for R&D Knowledge Synthesis



### Clinical Trials

- Clinical Trial Design
- Clinical Trial Screening Chatbot
- Clinical Trial Report Summarization

### Sales & Marketing

- Personalized Content Generation for Marketing Campaigns
- Self-service portal for pharmaceutical sales representative

### Post Marketing Intelligence

- Personalized treatment options for individual patients
- Medical imaging for generating synthetic medical images
- Patient Specific Drug Education and Training Materials
- Imputation of Missing Data for Life Science Data Sets

## The Quantipi Advantage

Powered by **BioNeMo & NeMo LLM Frameworks**



Recognized as **Top 10 Generative AI tech startups in Healthcare**



Allied **HIMSS** Partner

## Quantipi's Generative AI Solution for Life Science Enterprises

Quantipi enables enterprises to adopt Generative AI and accelerate solution development with enterprise-ready layers for data integration, domain adaptation, and fine-tuning pre-trained models for industry-specific use cases.

Quantipi's Generative AI solution for drug discovery is powered by NVIDIA's BioNemo framework that allows you to customize and deploy state of the art bimolecular models for 3D protein structure prediction, de novo protein and small molecule generation, property predictions, and molecular docking.

Leveraging the power of NVIDIA NeMo LLM, Quantipi makes generative AI model development and customization easier, faster and cost effective for enterprises in the areas of building healthcare chatbots, reasoning tools, insights generation or operational assistance in medical research and development.

### Salient Features



Domain Adaptation and customization on industry specific workflows



PHI de-identification, Secured deployment, interoperability and safe data exchange between systems



Customization to fix biases by updating knowledge base and finding prompts that produce harmful content



Continuous learning & improvement by constantly updating and retraining models to maintain relevance and accuracy

## Benefits & Value Propositions



**25% productivity gains** in knowledge synthesis tasks such as medical literature summarization, clinical trials summarization & EHR Summarization



**Faster Time to Market** by accelerating drug discovery tasks such as novel drug candidates prediction and generation.



**Optimizing clinical trials** with clinical trials design, clinical trial matching chatbots, and clinical trial summarization



**Boost Employee Experience and improve operational efficiency** with LLM-powered Chatbots

Quantipi is an award-winning AI-first digital engineering company driven by the desire to reimagine and realise transformational opportunities at the heart of business.

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