Anivance ai

All-in-One Platform for Drug Development

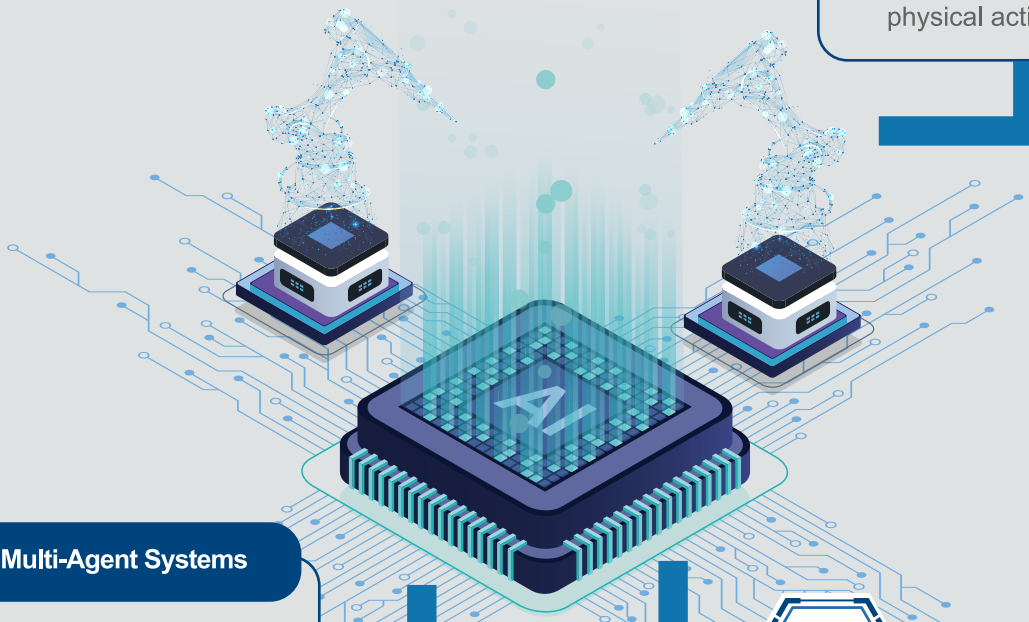
Comprehensive Decision making from scalable human data

AI Driven Drug Design

AI-Powered Ideation
Generates optimized strategies to kickstart the discovery process.

Organ Chips

Robotic Execution
Translates digital protocols into precise, automated physical actions.



Multi-Agent Systems

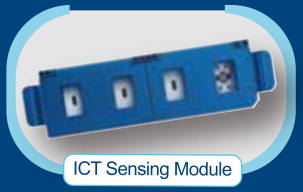
Multi-agent Analysis
Instantly interprets patterns to refine the workflow and deliver seamless insight.

Human Relevant Data

Autonomous Monitoring
Captures dynamic biological responses in real-time as the system operates.

The Optimal Path to NAMs Alignment


Organ-on-Chip


ICT Sensing Module


Chip MPS


Aeromimic MPS

Lab-as-a-Service (LaaS)

Entrust your study to us. We conduct NAMs-compliant experiments using standard perfusion or aerosol models to accelerate your disease modeling and drug development.

In-House Implementation Seamless System Integration.

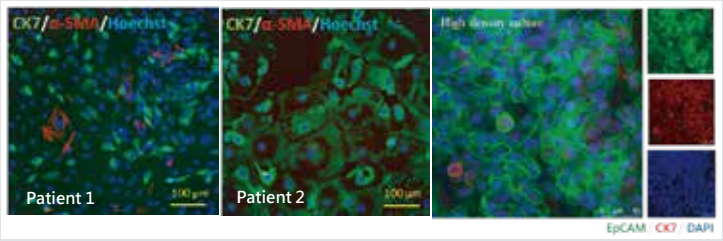
Seeking autonomy? Integrate our system into your laboratory to execute standardized experiments with full in-house control.

Tech Highlights

Anivance ai

Patient-Derived Lung Cancer Models

Validated Precision for Personalized Medicine

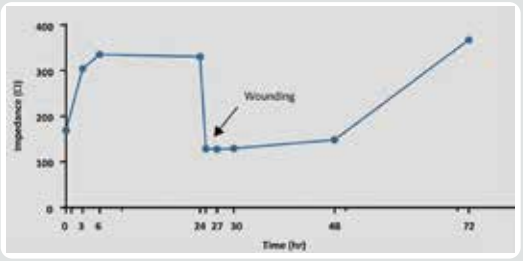


Patient-Derived Tumor Models transform pleural effusion into physiologically relevant lung cancer models.

Our system guarantees high viability, retains key markers (CK7 /α-SMA), and preserves patient-specific heterogeneity for precise translational research.

Real-time tracking of Wound Healing Dynamics

Bio-ICT Chipsfor Continuous, Real-Time Sensing

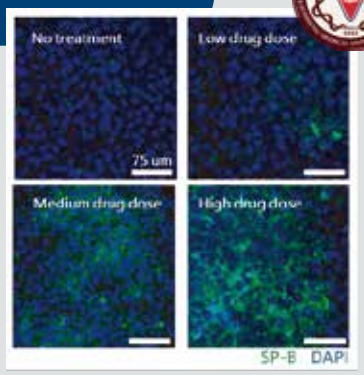


With real-time monitoring in wound healing assays, Anivance AI's platform captures precise, quantifiable data on tissue recovery dynamics. By transforming continuous biological signals into objective, decision-ready metrics, the system reveals dynamic changes in tissue integrity and cellular behavior. Researchers can rapidly adjust experimental conditions, and make faster, more informed decisions on drug efficacy.

Dynamic Dosing Evaluation for Neonatal Respiratory Therapies

Lung-on-Chip–Based Simulation of Controlled Drug Delivery

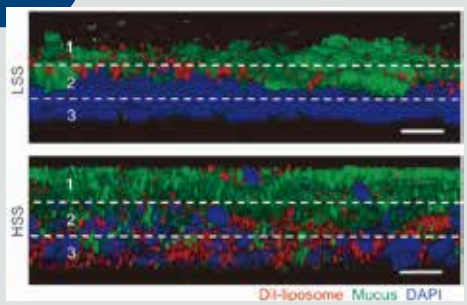
Leveraging our Lung-on-Chip platform, we evaluated dynamic drug dosing strategies for the treatment of Neonatal Respiratory Distress Syndrome.Through controlled, dose-dependent delivery, the system revealed a progressive recovery of Surfactant Protein B (SP-B), demonstrating its ability to replicate clinically relevant physiological responses. This approach enables researchers to assess dosing dynamics more accurately and optimize therapeutic strategies at an earlier stage of development.



Inhaled Drug Delivery

Programmable Aerosol Exposure with Controlled Airflow Dynamics

This model enables controlled evaluation of inhaled drug delivery and tissue penetration under programmable aerosol exposure and airflow conditions. By replicating physiologically relevant inhalation dynamics, the platform allows direct observation of how inhaled nanoparticles are deposited, traverse mucus barriers, and penetrate cellular layers. These dynamic observations provide mechanistic insight into drug delivery behavior and support hypothesis-driven assessment of a drug's mechanism of action.



Ready to Run?

Partner with us today. Replicate the success of the cases above by choosing between purchasing Chip MPS or collaborating via our LaaS.

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