

We're building the  
**Home for Human Data**

By creating the world's first truly integrated  
**Human Data Stack**





We can cure mice of any disease we can imagine.

But when it comes to humans, we're lost.

BY THE NUMBERS:

**\$2B+**

To bring a single new drug to market

**90%**

Failure rate for clinical trials

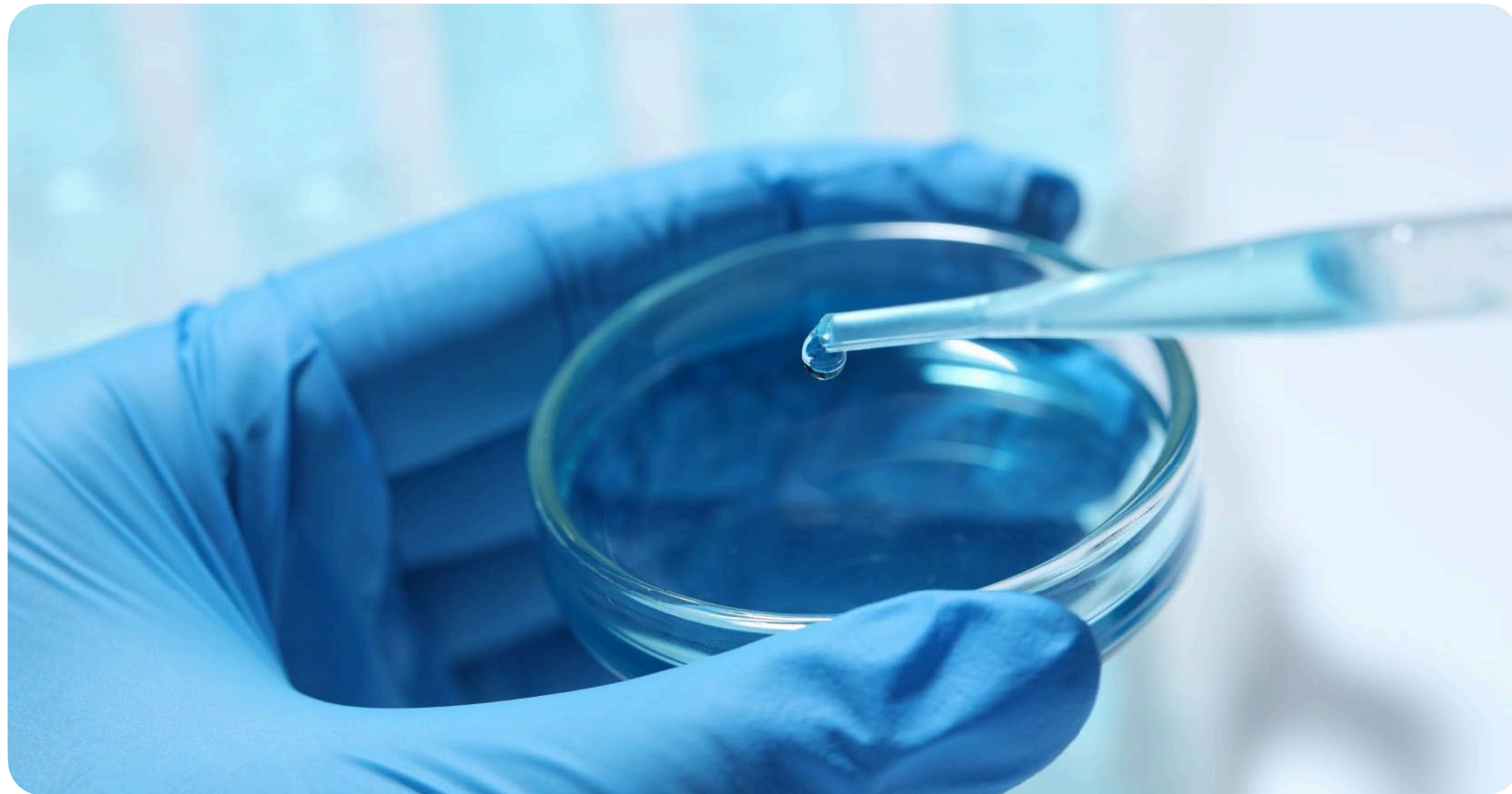
**~15+ yrs**

Time from discovery to clinical approval



# We don't understand human biology, because we don't have a complete picture.

A MISSING DATA SOURCE:



## Petri Dish Models Are Too Simple

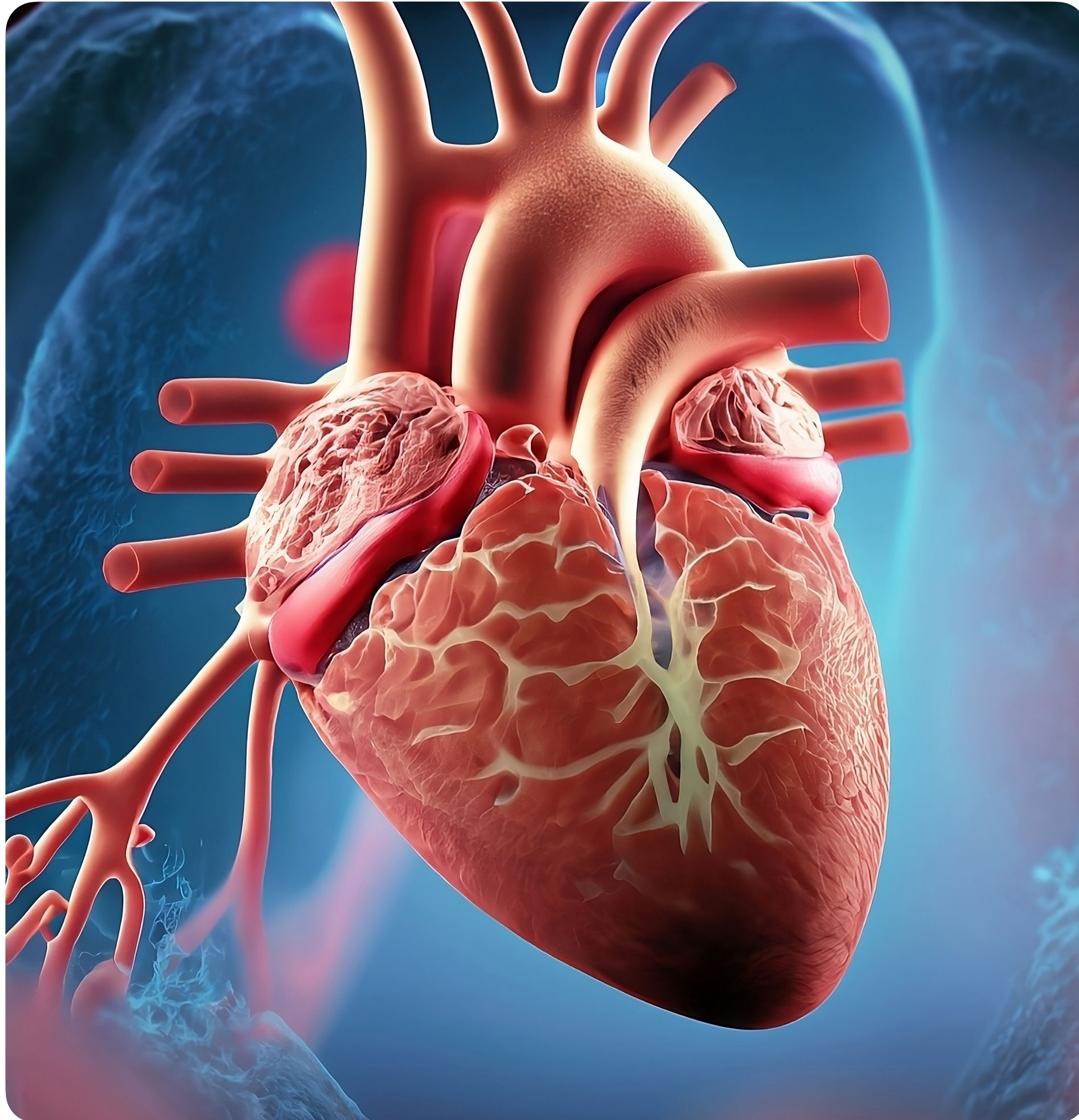
Petri dish data can't replicate patient complexity and variability



## Clinical Trials Are Too Risky

Patient risk severely limits the data we can collect from clinical trials.





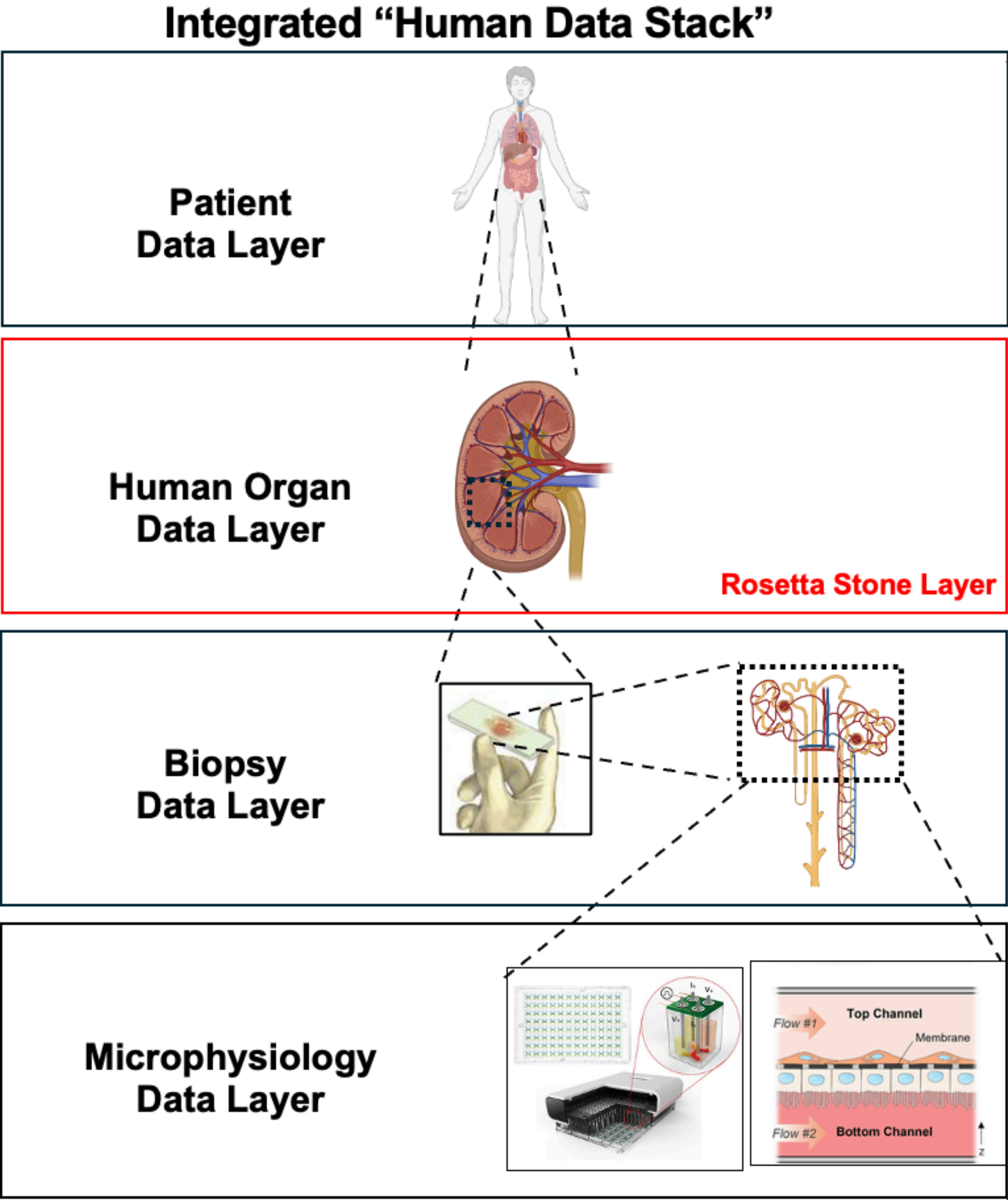
# Human Organs are the Rosetta Stone of Human Data.

THE BREAKTHROUGH:

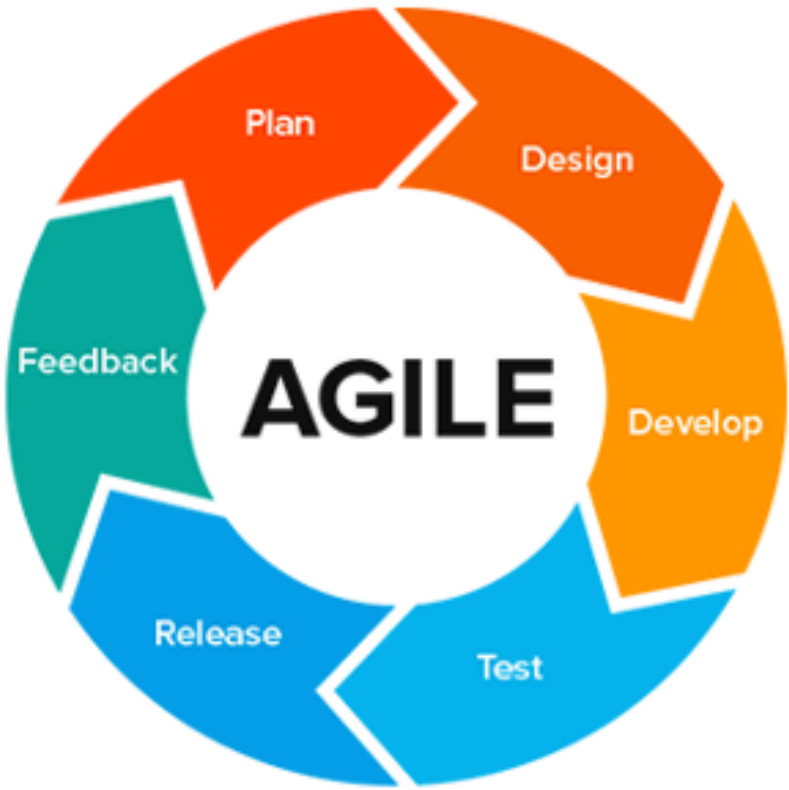
## The Integrated Human Data Stack

Human organs donated for research enable a new class of Agile Human Trials that complement traditional clinical trials





**Phase 0 Human Trials**



**Better Innovation Faster**  
by Removing Risk to Patients



# Meet Rio:

Our software companion to  
Phase 0 Human Trials

## Rio Assist

Our research toolkit to capture and  
integrate Human Data

## Rio Insight

Our online portal to Design, Track &  
Interpret Phase 0 Human Trials

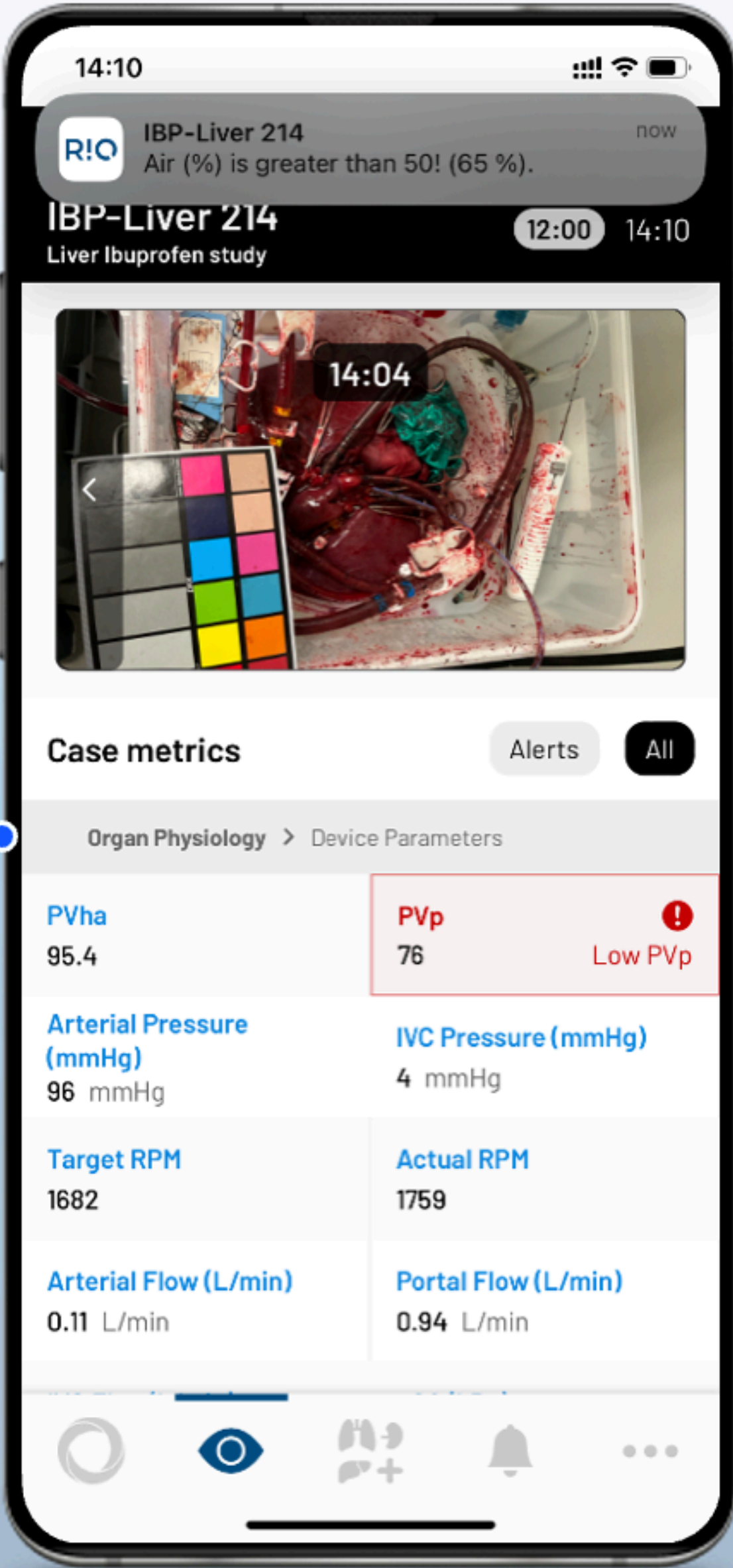




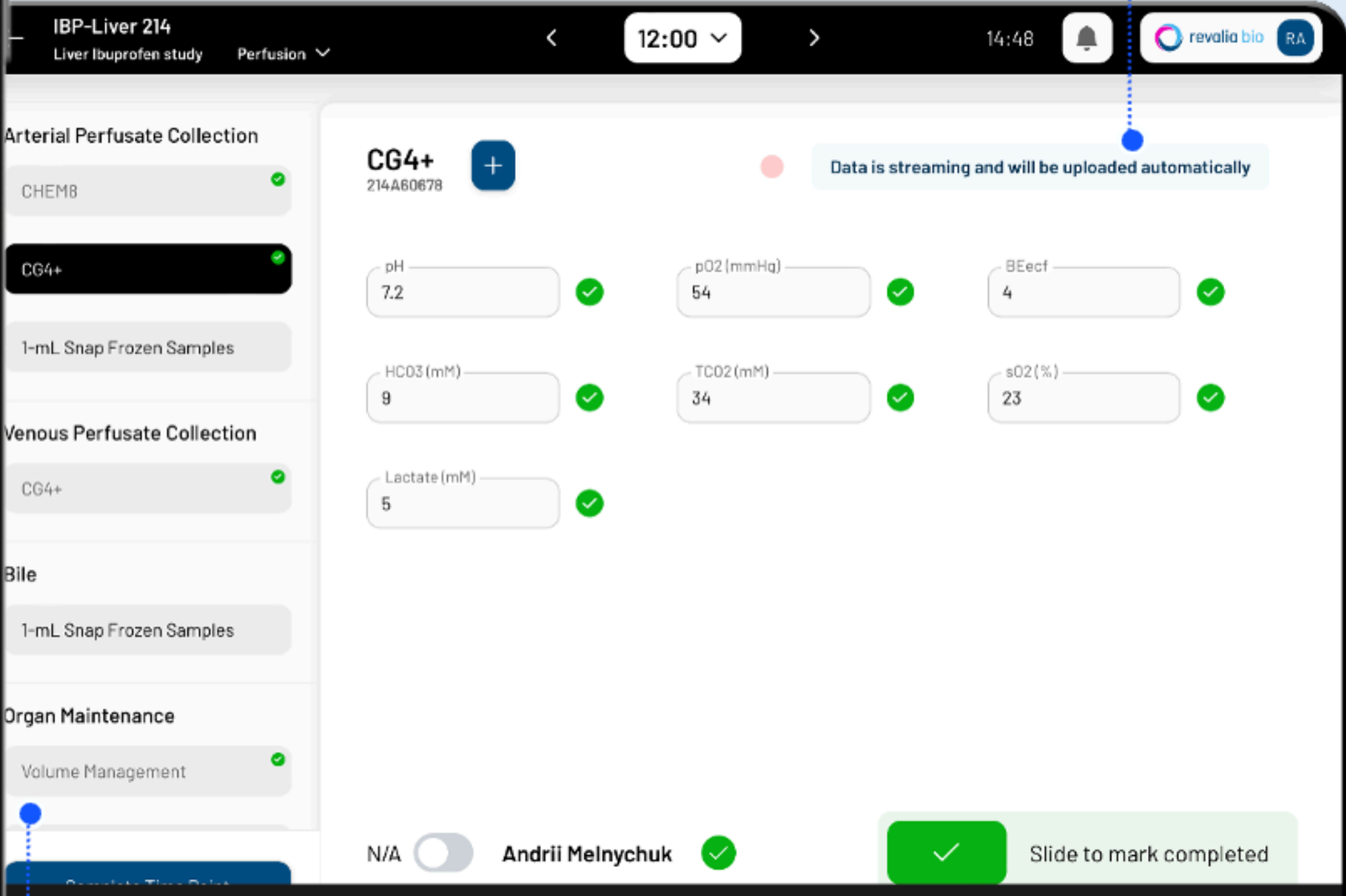
OPERATIONS POWERED BY RIO ASSIST

Collecting human data in complex care settings

REAL TIME MONITORING & ALERTS



SEAMLESS DATA CAPTURE



BUILT IN PROTOCOL GUIDANCE



THE BREAKTHROUGH

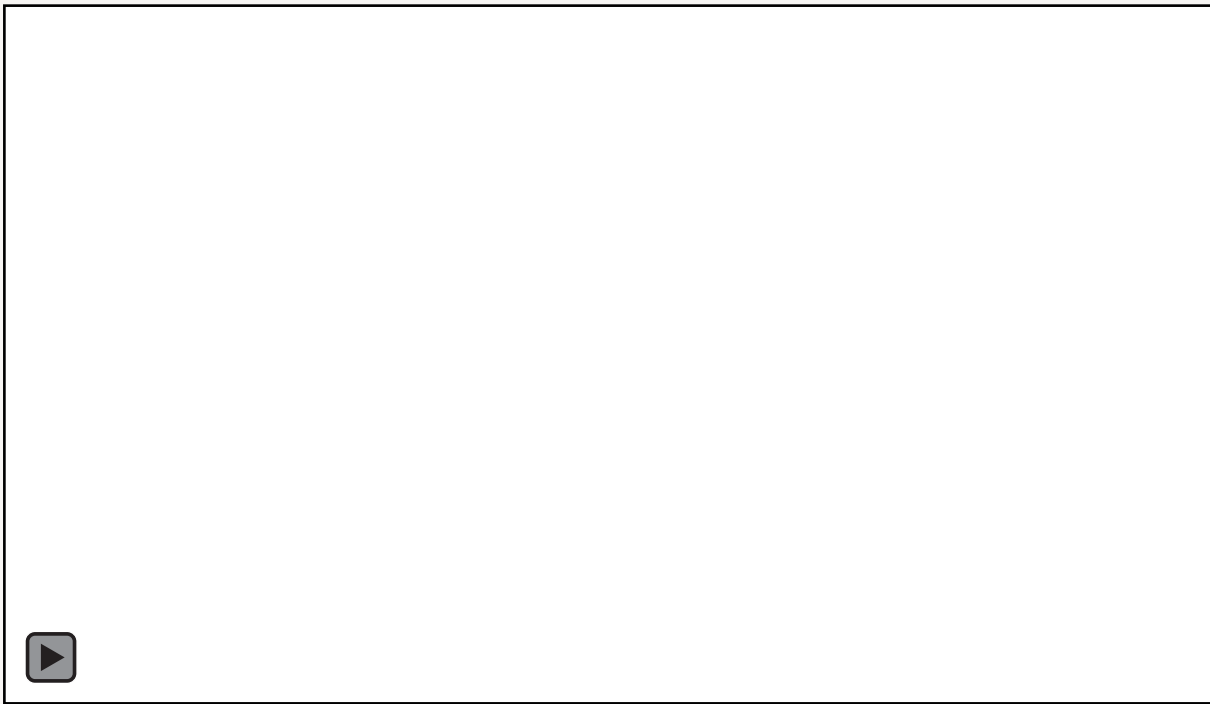
Rio Insight allows users to run the  
**Next Generation of Human Trials**  
at the Click of a Button



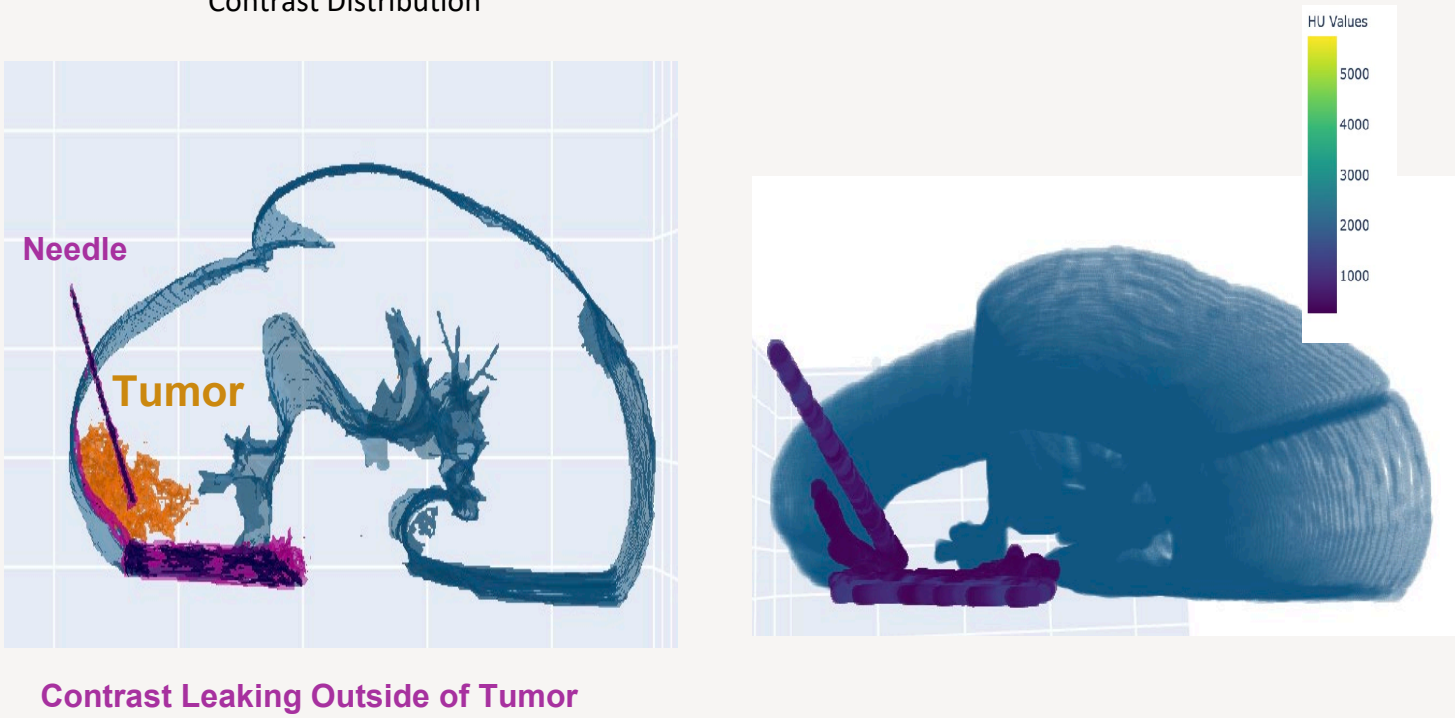
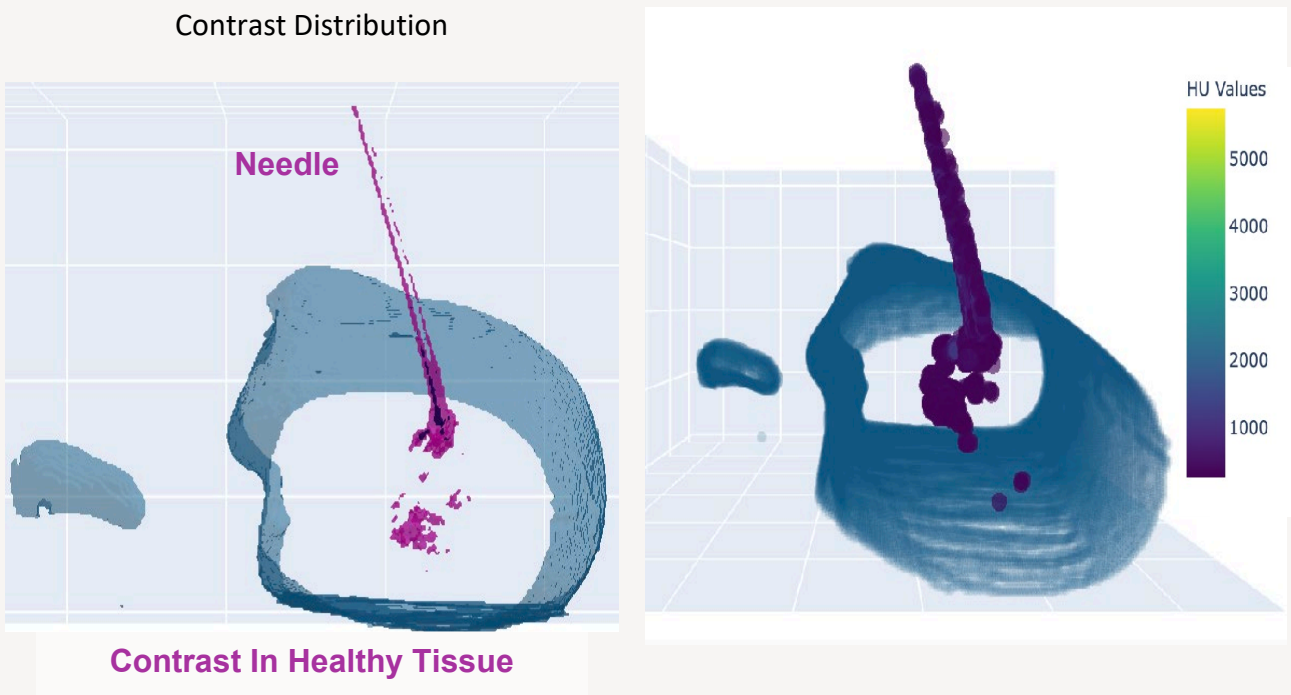
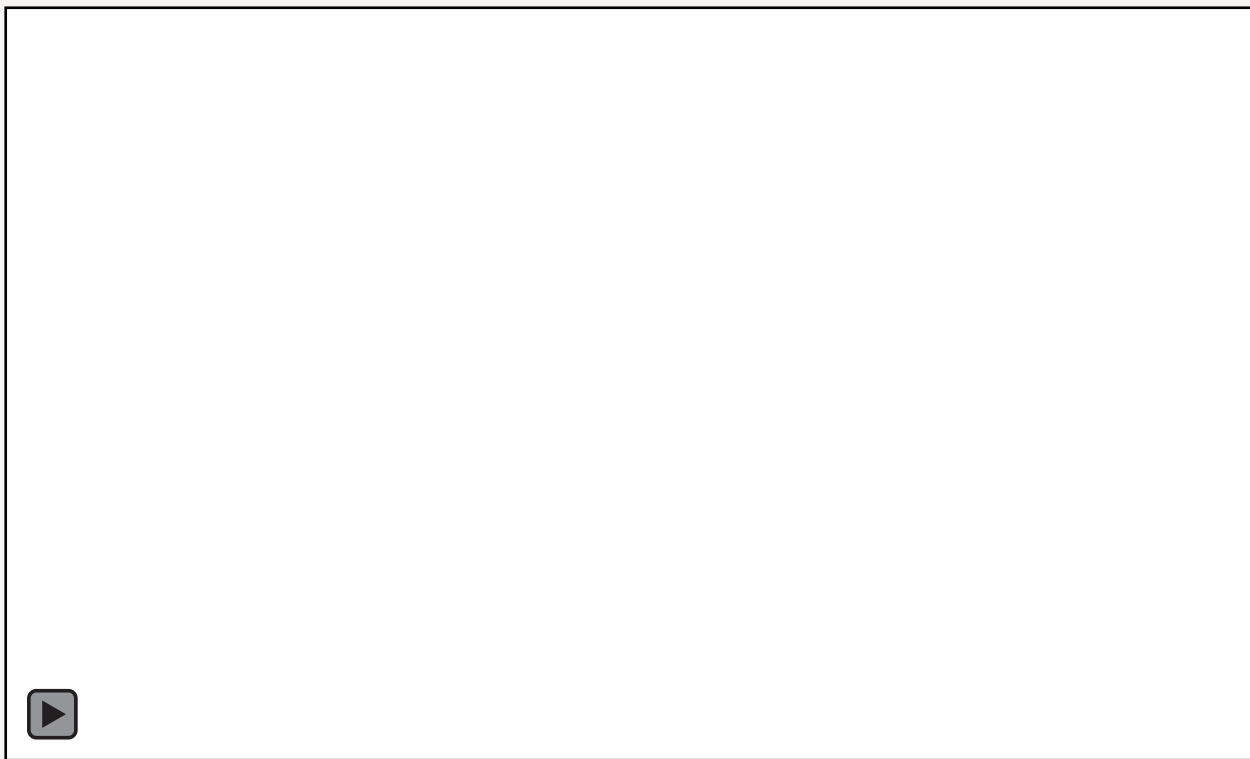
# Phase 0 Trials can turn ‘negative’ results into a catalyst for innovation

## HOW IT WORKS:

Successful Injection  
in Healthy Tissue (Upper Left Lobe)



Failed Injection  
in Tumor (Lower Right Lobe)



De-risking Drug Delivery

Phase 0 Trials provide a new window into living human systems to track & optimize drug distribution



# Our Leadership Team Draws on Decades of Deep Science & Tech Experience



**Greg Tietjen, PhD**  
CO-FOUNDER & CEO

- Former tenure track professor at Yale
- Ran a renowned academic lab that was a world-leader in perfusion science



**Peter Buniak, MBA**  
CO-FOUNDER & CHIEF OPERATING OFFICER

- Former CIO at Kadmon, acquired by Sanofi for \$1.9b
- 20 years experience in technology dev for Life Sciences



**Jenna DiRito, PhD**  
CO-FOUNDER & CHIEF PRODUCT OFFICER

- PhD in Human Organ Perfusion from Cambridge
- World-class pioneer of the Emergency Science operating model



**Janet Nikolovski, PhD**  
CHIEF INNOVATION OFFICER & HEAD OF R.LABS

- Former program leader at J&J
- 20 years experience in big Pharma with proven success in bringing new products to market



**K. Saeb-Parsy, MD/PhD**  
CO-FOUNDER & CHIEF MEDICAL OFFICER

- Professor of Transplantation at Cambridge
- World-renowned pioneer of human organ research, raised \$30m+ in non-dilutive funding



**Helen Hughes**  
CO-FOUNDER & CHIEF CULTURE & GROWTH OFFICER

- Former Senior Exec at Amazon
- 20 years experience creating high performance teams in high growth organizations



# Our Industry-Leading Board & Advisory Team

## BOARD MEMBERS & STRATEGIC ADVISORS



Roger Ferguson

FORMER PRESIDENT,  
TIAA

- Served as Vice Chair of the Fed under 3 US presidents
- Currently on the Board of Alphabet Inc.



Ben Yu

MANAGING PARTNER  
SIERRA VENTURES

- 20+ yrs as a successful VC
- PhD in Engineering from Princeton



Brian Wilcove

MANAGING DIRECTOR,  
AMERICA'S FRONTIER FUND

- Former founder & current VC with 20 yrs experience
- Helped create over \$11b in enterprise value



## ADVISORY TEAM



Dr. Ben Hippen

GLOBAL HEAD OF MEDICAL  
AFFAIRS & CMO  
FRESENIUS MEDICAL CARE

- Former transplant nephrologist with 20 yrs of clinical experience
- Oversees ~4000 dialysis clinics across 30 countries



Dr. David Katz

DIVISION HEAD OF  
CRITICAL CARE,  
WILLIAM OSLER HEALTH SYSTEM

- Chief of Critical Care for Ontario Medical Association
- Pioneered new organ donation pathways for Ontario Health



Andrey Hankevych

COFOUNDER & BOARD  
MEMBER,  
LVIV IT CLUSTER

- Former Chief Global Strategist at Eleks
- Former Advisor to HP, Ebay/Paypal, Oscar Health





THANK YOU

# Join Us in Transforming Loss into the Future of Biomedical Innovation

GREG TIETJEN

[GREG.TIETJEN@REVALABIO.COM](mailto:GREG.TIETJEN@REVALABIO.COM)