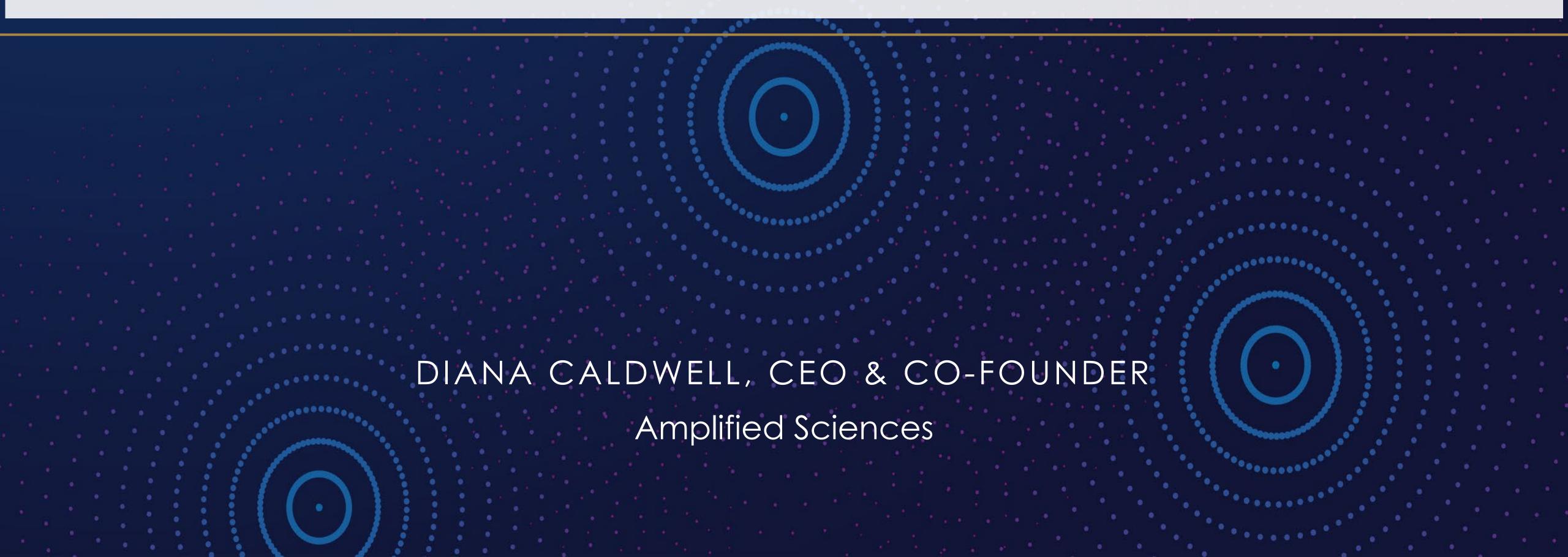
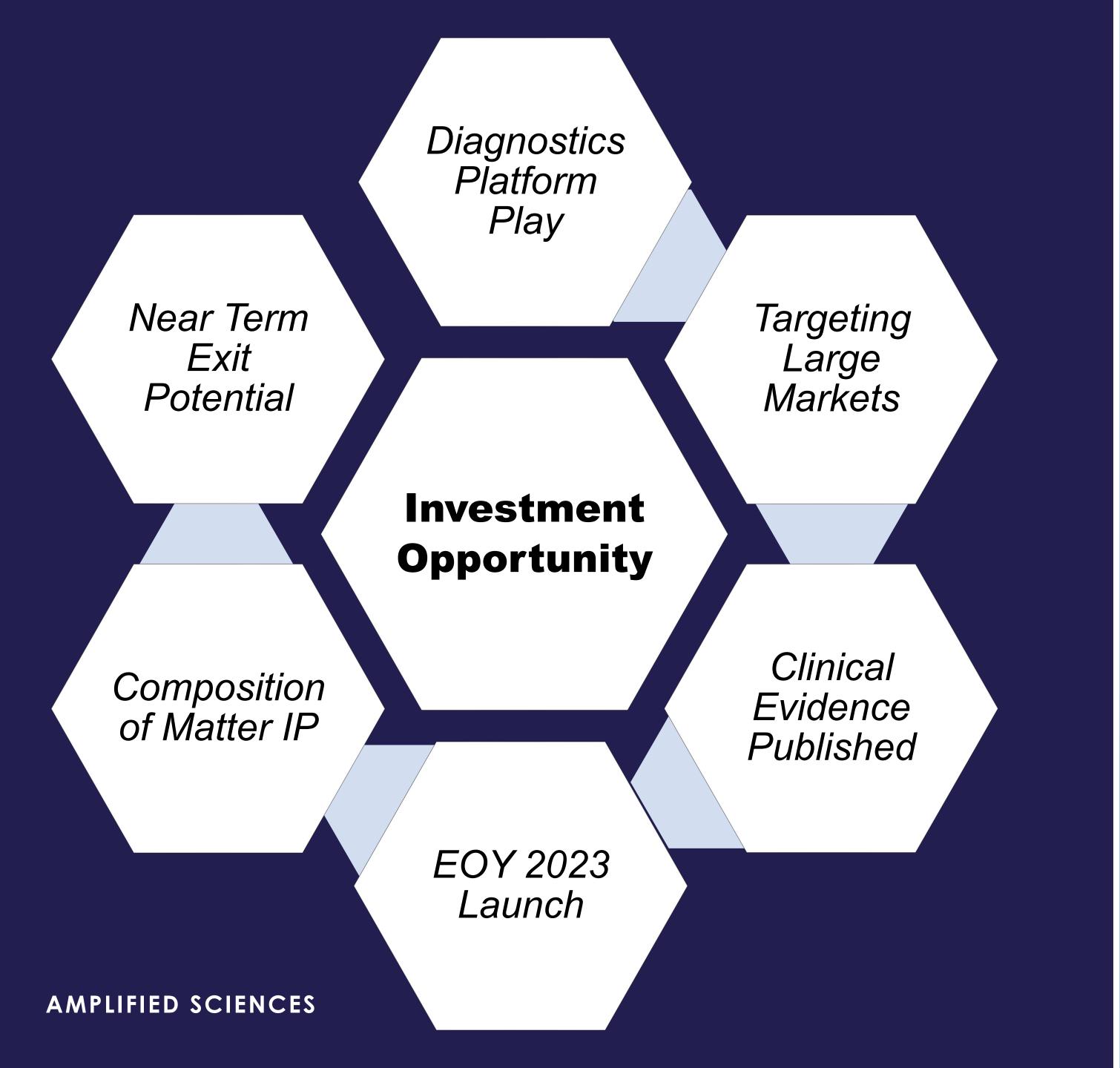
Accurate. Earlier. Detection.



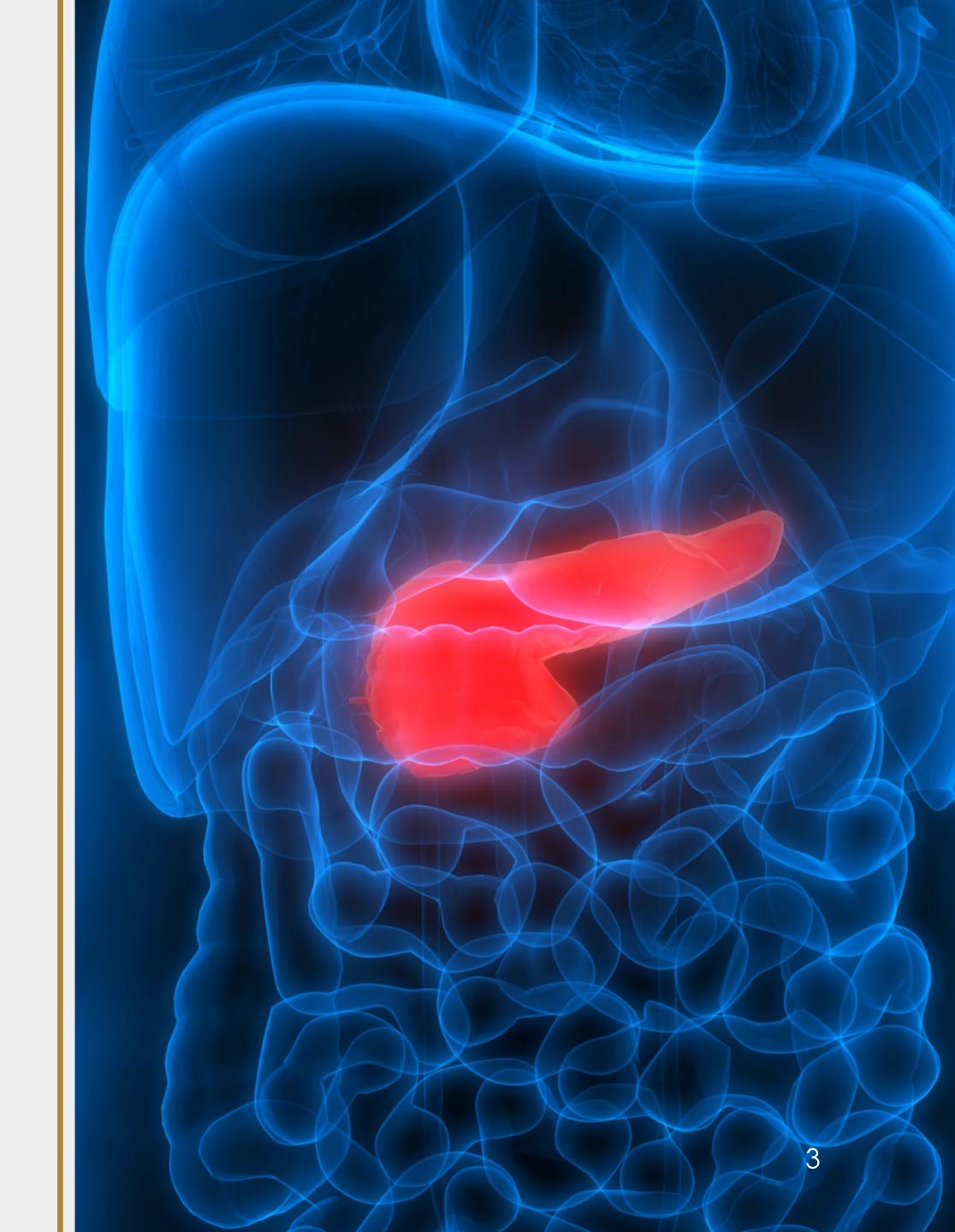






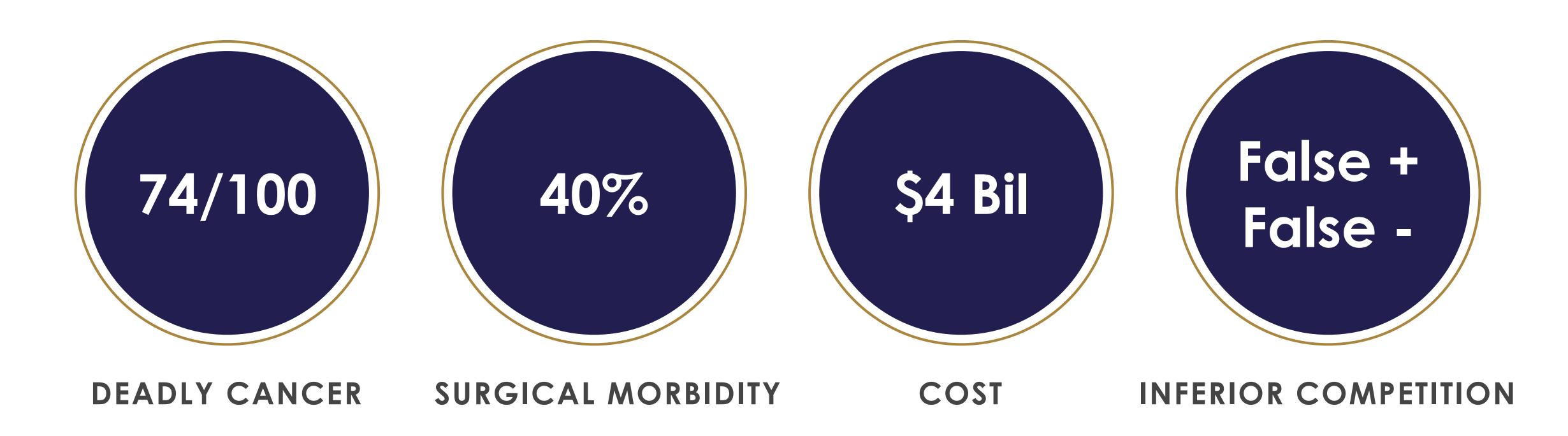
First problem we are solving

- Go to the doctor for stomach problems
- CAT scan shows a cyst on your pancreas
- Fear
- Do we risk surgery?



The Problem: Pancreatic Cancer and Cysts

A window to earlier detection



Huge unmet medical need in managing incidental cyst detection

Patient Journey:
Pancreatic Cancer
and Cysts



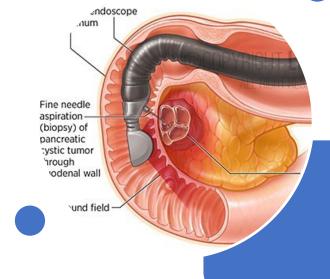
Risk stratification:

Treat potentially malignant and spare benign



Cyst fluid analysis:

Assess cancer risk biomarkers



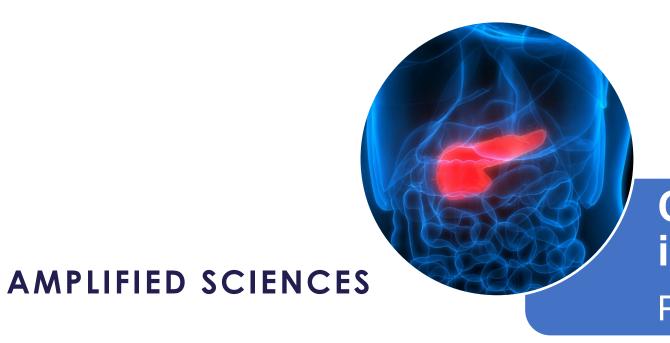
Standard of care EUS-FNA:

Gastro Endoscopy specialist



Cyst discovered incidentally:

Primary care setting



Pancreatic Cancer Diagnostic market

\$2.9B

- Growing market*
- Total market includes imaging

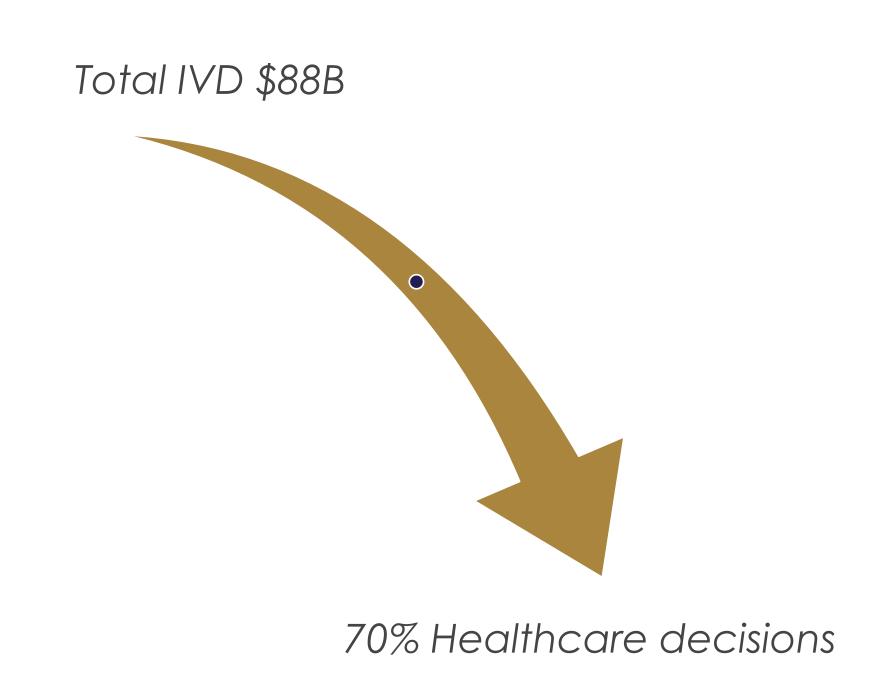
\$300M

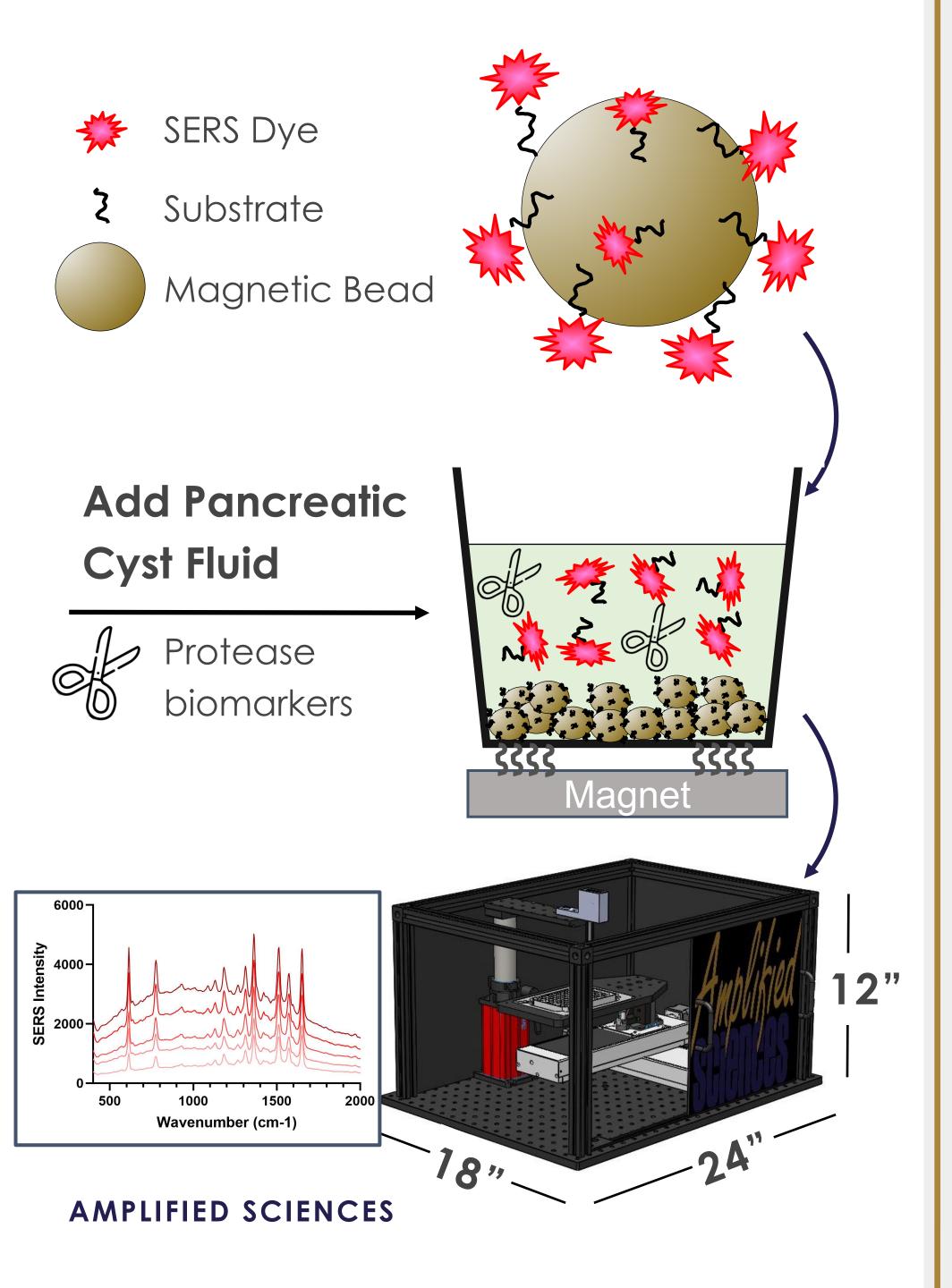
- Incidental detection
- Patients with cysts

\$80M

- 25% SOM
- Scalable to new assays

Total Diagnostic market

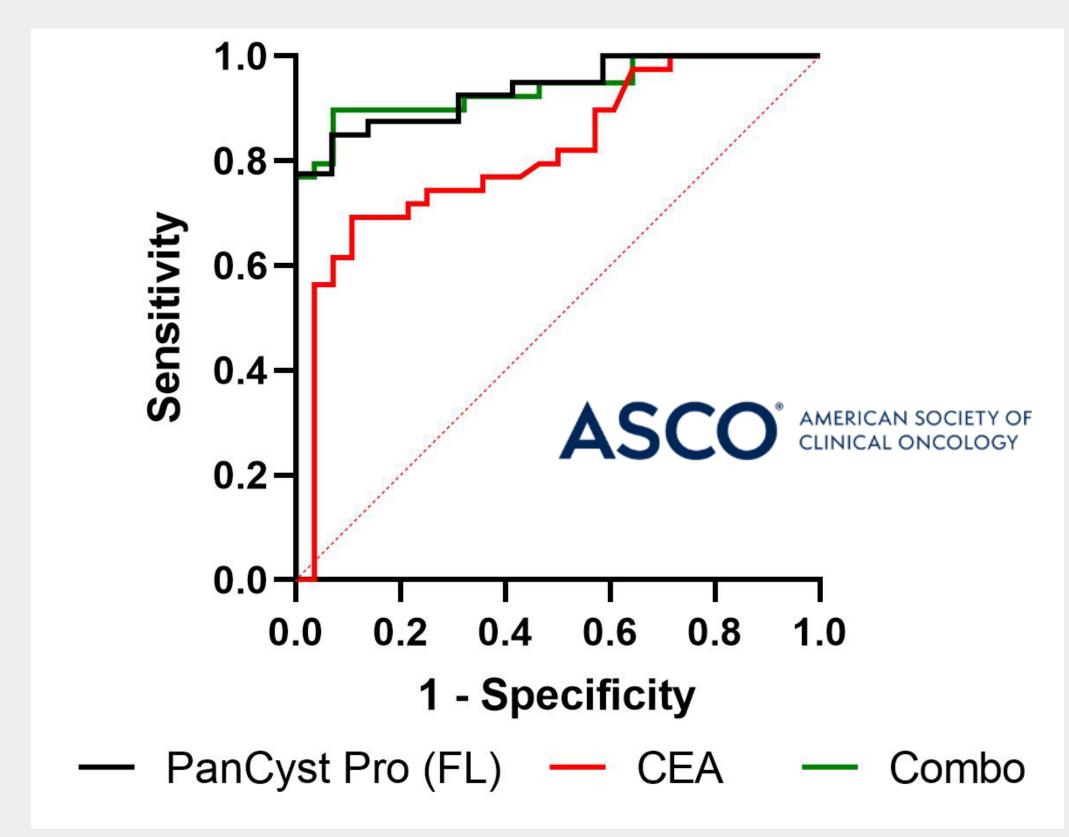




The Solution: PanCystPro[™] Minimal Sample Assay for Protease Biomarker

- "Rule Out" test is first in class
- Beats competition: accuracy and overcomes sample size limitations
- Favorable existing reimbursement precedent set by competition

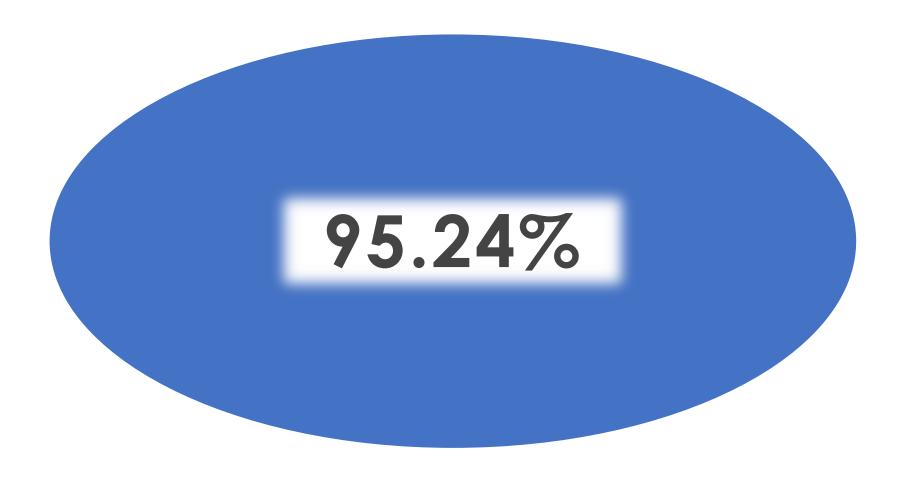
Clinical Data



	Sensitivity	Specificity	AUC
PanCyst Pro (FL)	85%	93%	0.93
CEA	62%	93%	0.81
Combo	90%	93%	0.94

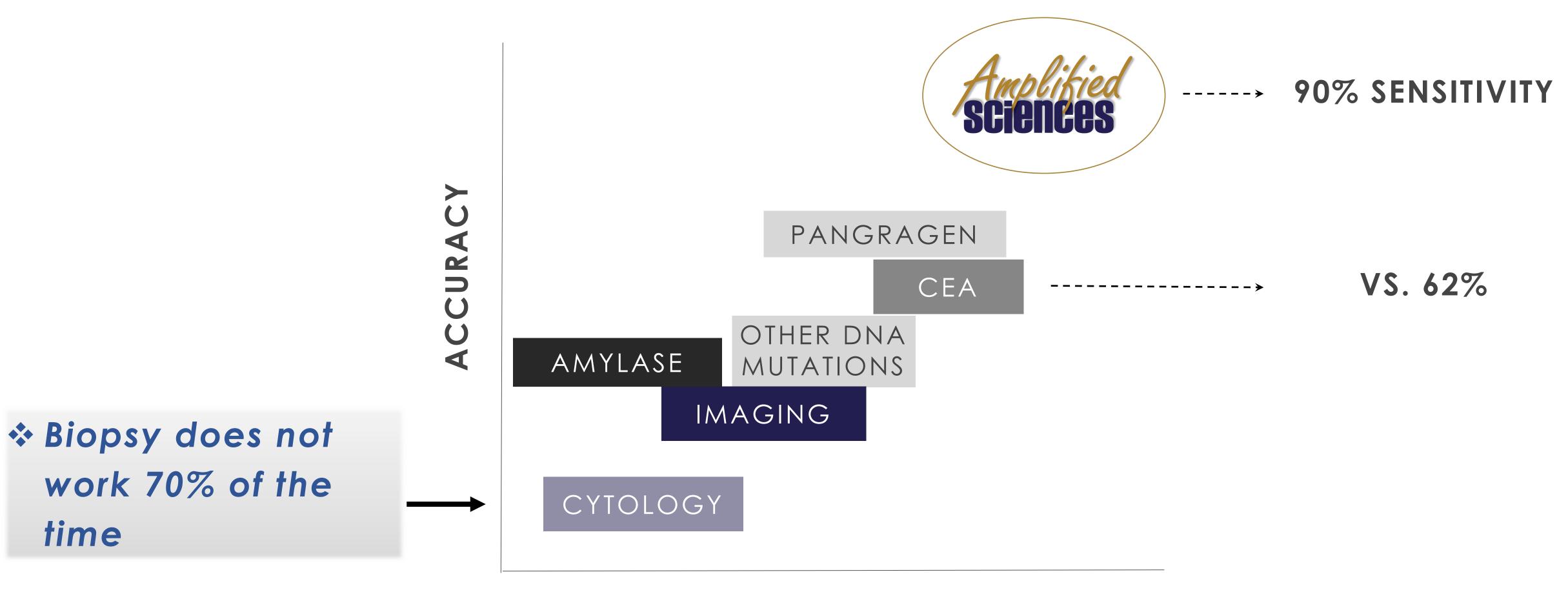
PanCystProTM

Multi-analyte assay Negative Predictive Value



INTERNAL DATA SUBMITTED IN ABSTRACT FOR ASCO GASTRO 2024 POSTER PRESENTATION

Competitive Analysis



EARLY DETECTION

DEPENDENT ON LOW VOLUME PERFORMANCE

PanCystProTM

Value Proposition

- Superior accuracy vs. standard of care enables real decision making
- Doctors make better decisions
- Addressing huge unmet medical need in earlier detection of pancreatic cancer
- More biological insight from lower volume of patient sample required vs. competition
- Saves healthcare costs
- Foundation for suite of assays: Platform enables multiple tests with same patient sample

AMPLIFIED SCIENCES



MD draws sample and orders test



Amplified Sciences paid by Payors



Diagnostics Business Model

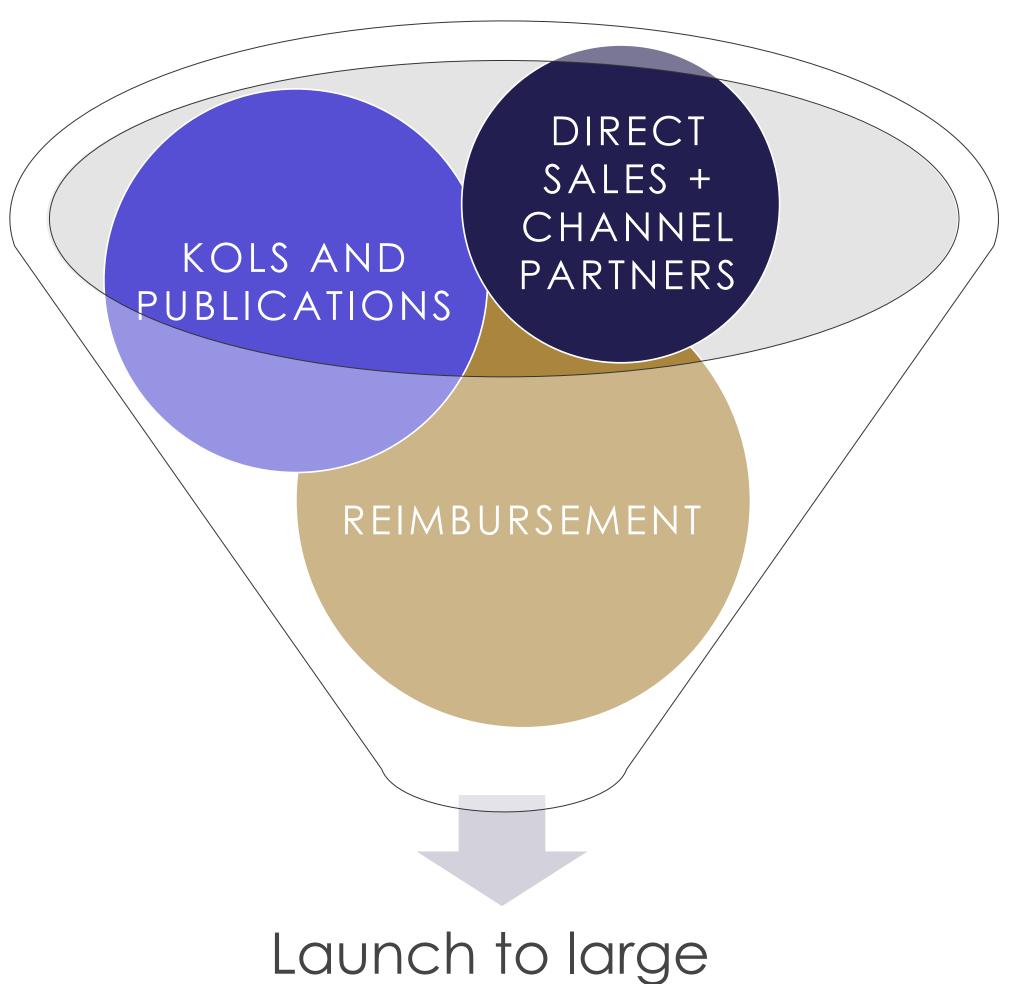
• Similar models





- Revenue Model:
 - CLIA: regulatory certificate Q 4 2023
 - Lab Developed Test target price \$2,500
 - Lead assay prescriber:
 Gastroenterologist
- Platform Play: Integrated system across disease states scales cost effectively

Commercialization Strategy: PanCystPro



Launch to large
Gastroenterologist practices

Timeline

2020 - 2022

2023

Q4

2024 - 2025

2026 - 2028



R&D Product Validation

IRB approved clinical trials

Clinical evidence published

Platform development



Regulatory Approval

Analytical/Clinical Validation
Launch Prep
CLIA Certificate



Launch

Early access launch: PanCystPro

Clinical utility trial

File Medicare reimbursement dossier

Launch 2nd pancreatic cancer assay



Scale Pipeline

Secure reimbursement

Build/launch portfolio

Commercial scale

EARLY EXIT

\$1.78M Series Seed Note \$3M Series Seed Preferred



Team

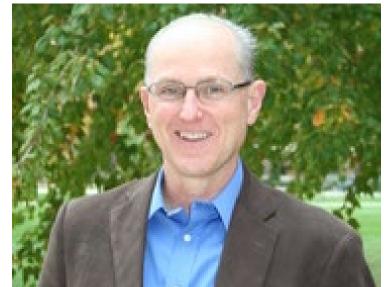
DIANA CALDWELL, MBA

CEO/Co-Founder **Board Member** Serial entrepreneur









V. JO DAVISSON, PHD

CSO/Inventor/Founder

Board Member

Biochemist 30 years R&D

+\$20M career grant fund IP licensed to Millipore







JOHN RIDGE

Market Access







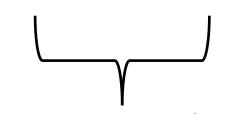


REBECCA LYON, PHD Director of Commercial and Operations Manaaer









Research Scientists







14

Lucid diagnostics

Dignestics

EXACT

SCIENCES

Advisory Board

CLINICAL

SCIENTIFIC

BUSINESS/IVD LAUNCH

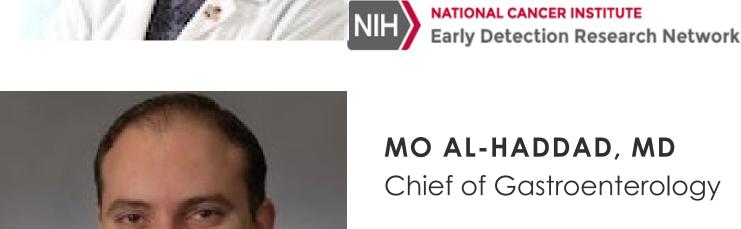


KIM KIRKWOOD, MD Pancreatic | Surgeon School of Medicine



CHARLY CRAIK, PHD Protease Thought Leader





MO AL-HADDAD, MD Chief of Gastroenterology





MARK CISNEROS, PHD Serial Lifescience CEO



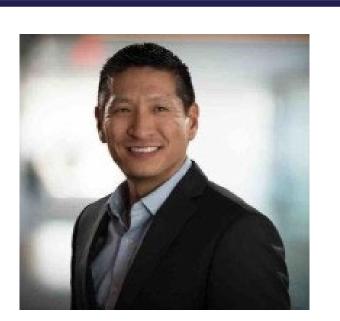


TOM TAGUE, PHD





PATTI CONNOLLY Diagnostics COO CAP/CLIA Inspector malytix Vericiox



VINCE WONG Chief Commercial Officer







JOHN RIDGE Diagnostics Market Access Executive



Lucid





LINDA O'KEEFE, CPA Former Elevate Ventures CFO





Key Milestones: commercial stage

\$4.05M FINANCING RUNWAY

CRITICAL INFLECTION POINTS	2022		2023			2024			2025						
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Clinical Evidence Publication															
Feasibility data sets	N=69		N = 1	80											
AV – R&D lab															
NCI SBIR grant award										PH	ASE 2				
Seed Preferred financing													EARLY	EXIT	
Tech Transfer to CLIA team													or \$8-1		
Analytical validation studies													Series	SA	
Clinical validation study															
CLIA regulatory certificate															
Reimbursement			PRE-			нта с	REATIOI	N							
			SUB				PLA	CODE				LC	:D		
Launch				PRE-L	AUNCH		" E A	ARLY AC	CESS LA	UNCH"		FU	LL LAUN	СН	
2nd ASSAY:															
 Rule-in clinical evidence 															
 Rule-in CLIA approval 					16										



External Validation

"The Amplified Sciences product represents innovation that might allow us to better find that golden marker a little faster."

- DR. AL-HADDAD
IU SIMON CANCER CENTER



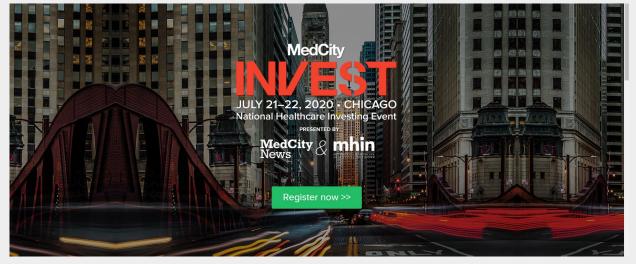


















ALL CAMPUSES

BUSINESS AND INNOVATION

Life science startup targeting pancreatic cancer receives IU Philanthropic Venture Fund investment



Acquisition Paths

Acquisition by large clinical CLIA lab player

(LabCorp or Quest)



Strategic acquisition post CLIA commercial stage

Exact Sciences, Interpace
 Diagnostics, Castle Biosciences,
 Lucid Diagnostics, Gemelli Biotech,
 Oncocyte, Olympus, & other "liquid biopsy" companies

Co-development and/or acquisition by instrument company

(Bruker, Thermofisher, Agilent, Leica, Wasatch) 19

Several paths to exit

Healthy M&A Activity









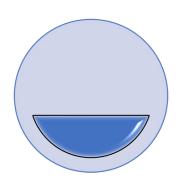




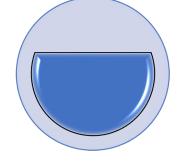
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Accurate. Earlier. Detection.

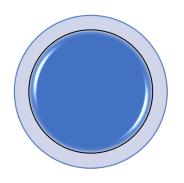
OPEN CAPITAL RAISE



THE ASK



STATUS



USE OF FUNDS

Series Seed Preferred \$3M

\$6.5M pre-money valuation

30% VCI tax credits

\$2.24M Closed through 10/6

Co-lead VC model

Diligence to share

Hits regulatory milestone

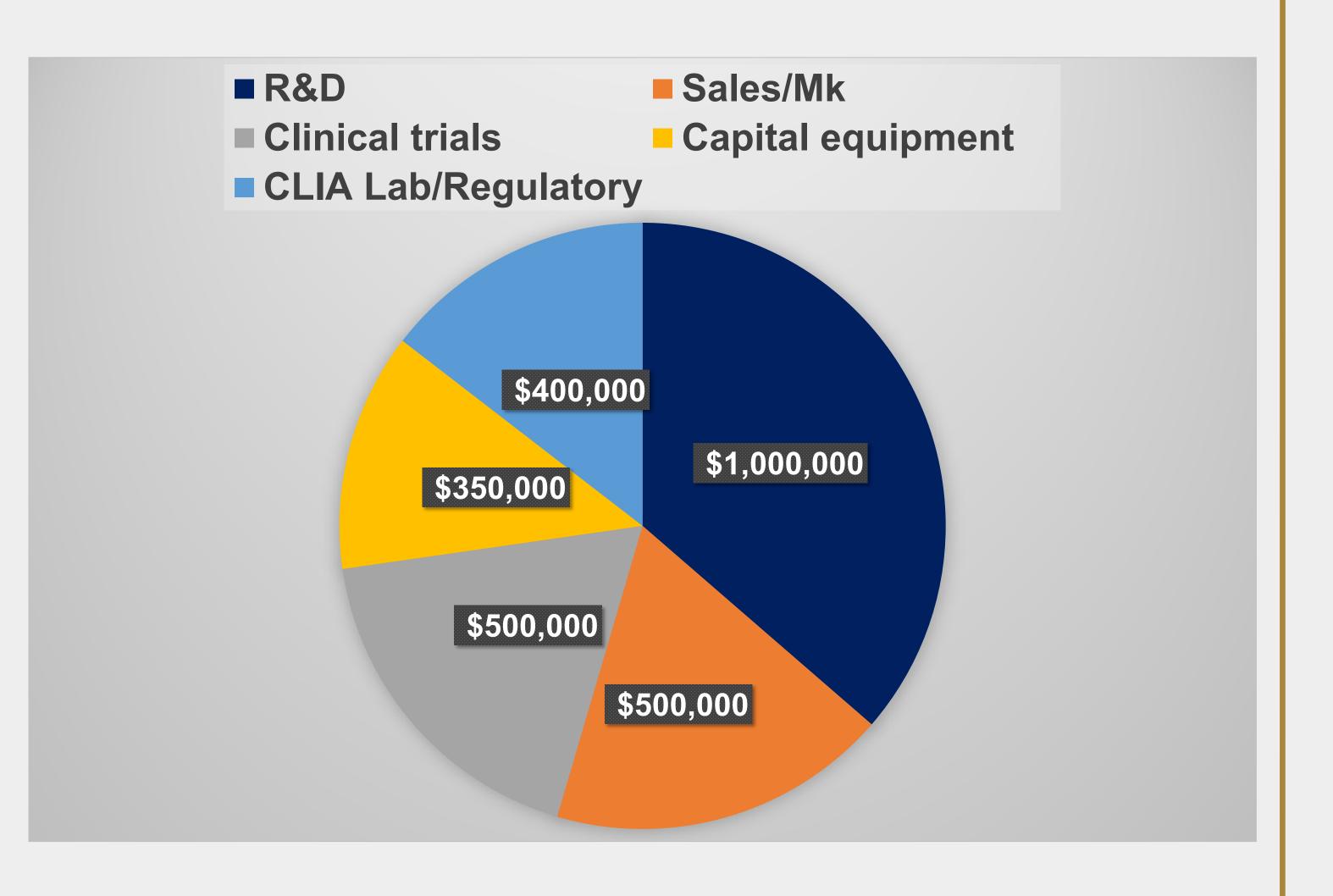
Fuels commercial stage

Builds pipeline





Series Seed Preferred: Use of Funds



- HITS REGULATORY
 MILESTONE
- ☐ FUELS COMMERCIAL

 STAGE
- ☐ BUILDS PIPELINE

AMPLIFIED SCIENCES



Diana Caldwell, President & CEO

Amplified Sciences

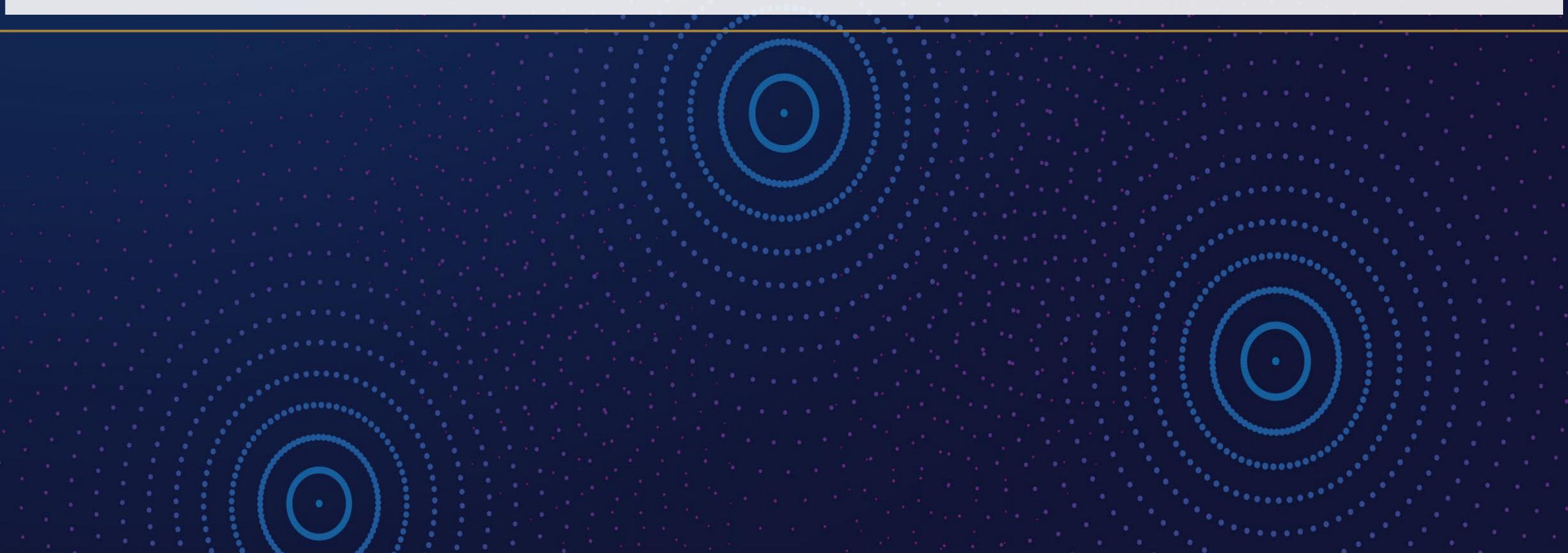
diana.caldwell@amplifiedsci.com

317.490.0511

AMPLIFIED SCIENCES

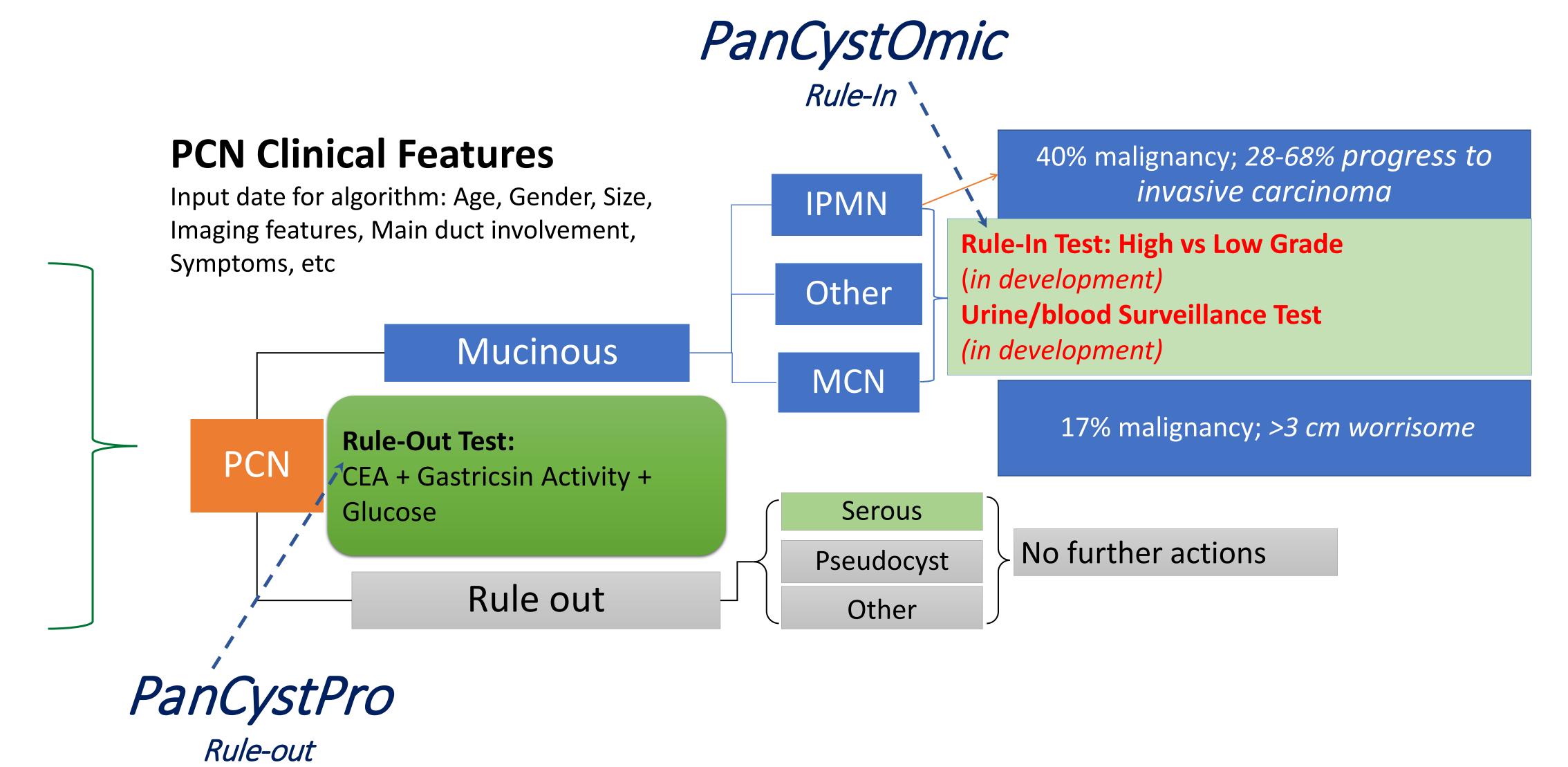
Backups





Product Portfolio to Manage Patients at Risk of Pancreatic Cancer





Technology External Validation

LEVERAGING NON-DILUTIVE FUNDING

\$450k SBIR grant

- Phase 1 NIH-NCI SBIR award effective 5/1/2023
- Includes \$50k match from Indiana

\$415k Research use only revenue

- Sub-award through Purdue
- Sub-award through CRO in Phase 2 SBIR

State of Indiana grants

- Elevate Innovation Voucher grants
- INTap

AMPLIFIED SCIENCES





FAIN# R43CA277913

. Recipient Name AMPLIFIED SCIENCES, LLC

1281 WIN HENTSCHEL BLVD STE 2132

1812008087A1

. Recipient's Unique Entity Identifie

Daniel Sheik, PHD

815-979-4285

Federal Award Information

1R43CA277913-01A1

12. Unique Federal Award Identification Number (FAIN)

42 USC 241 15 USC 638 42 CFR 52

4. Federal Award Project Title

Translational Assays for Inflammatory Biomarkers for the Risk Stratification of

Assistance Listing Program Title

7. Award Action Type

Summary Federal Award Financial Information	
9. Budget Period Start Date 05/01/2023 – End Date 04/30/2024	
D. Total Amount of Federal Funds Obligated by this Action 20 a. Direct Cost Amount	\$399,885 \$308,450
20 b. Indirect Cost Amount	\$65,274
L. Authorized Carryover	
2. Offset	
3. Total Amount of Federal Funds Obligated this budget period	\$399,885



elevate

About Entrepreneurs Investors Regions

EARLY & PRE-REVENUE STAGE

Innovation Voucher Program

Helping you leverage research services provided by Indiana higher-ed institutions and authorized nonprofit research providers.

Delivering Milestones

Cash runway extended to Q3 2025 via Series Seed Preferred and non-dilutive \$

SEED ROUND:

COMMERCIAL READY ASSAY

PRE SEED:

POC

2020 - 2022

2017 - 2019

- ✓ Purdue IP ISSUED AND SECURED
- √ BRUKER PARTNERSHIP
- ✓ WORKING POC
- ✓ NSF GRANT
- ✓ FULLTIME CEO

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RAISED \$2.02M

- / HIRED TEAM
- ✓ IRB APPROVAL
- ✓ CLINICAL STAGE
- ✓ RESEARCH USE ONLY REVENUE
- √ GRANT FUNDING
- ✓ ASCO AND DIAGNOSTICS PUBLICATIONS
- ✓ SECURED UCSF OPTION & PROVISIONAL PATENT FILED
- ✓ ASSAY READY FOR CLIA TRANSLATION
- ✓ PLATFORM DEVELOPMENT: 2ND DYE CLASS

SERIES SEED PREFERRED:

LAUNCH CLINICAL DIAGNOSTIC

2023 - 2025

\$3M FINANCING

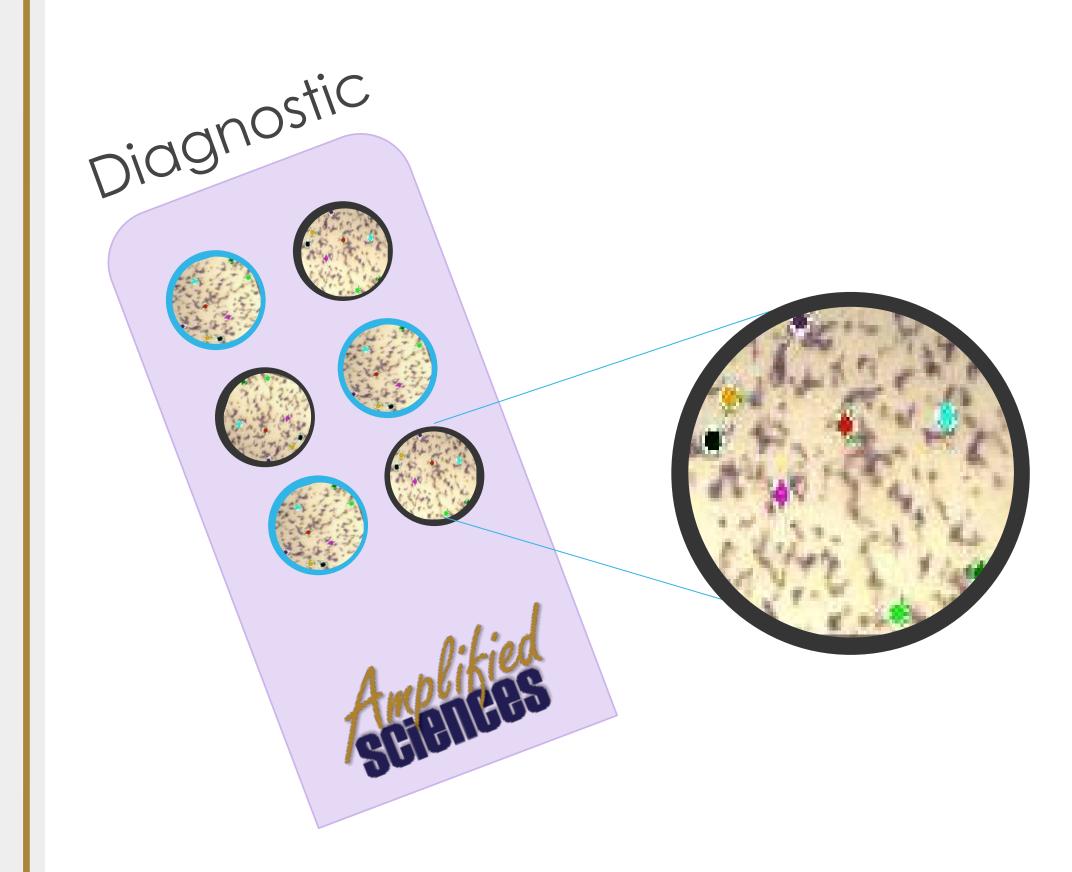
\$2.2M CLOSED 8/31/23

ADDITIONAL \$750K NON-DILUTIVE*

- REGULATORY CLIA CERTIFICATE
- ☐ COMMERCIAL TARGETED
 - LAUNCH
- ☐ PIPELINE BUILD

Multiomic Diagnostics Platform: Universal Optical Reporter Systems

- Versatile reagents and detector platform (razor and razor blade)
- Patented chemical reporters that amplify the biomarker signal
 - Multiple classes of chemical reporters enables multiplexing of biomarkers in ligand binding assays
 - Selective substrate and reporter technology enable multiplexing of protease activities
- Multidimensional biomolecular analysis:
 - Stackable to measure protein, metabolite or DNA/RNA markers
 - Agnostic workflow amenable to automation
- Ultra-sensitive sensing technology at LOD 10,000x comparable technologies



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