Enabling the Cell-Free Biomanufacturing Revolution

Invizyne combines the best of biology and chemistry to produce new, essential, and valuable chemicals

FORWARD-LOOKING STATEMENTS

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This presentation contains "forward-looking" information. The information indicates expected future business and financial performance and financial condition. Forward-looking statements address matters that are uncertain. Forward-looking statements are not guarantees of future performance or financial condition, and are only based on management's current expectations, assumptions, estimates and projections about the Company and the industry segments in which the Company operate. The statements that are forward looking are subject to the risks and uncertainties that the Company will face, many of which are discussed in the Registration Statement on Form S-1 filed with the Securities and Exchange Commission, for the offering. You are urged to consider these risk factors in evaluating your investment in the Company.

The information contained in this presentation has been prepared to assist interested parties in making their own evaluation of the investment opportunity related to the Company and does not purport to be all-inclusive or to contain all of the information that a prospective investor may desire. In all cases, interested parties should conduct their own investigation and analysis of the data set forth in this presentation and the registration statement for the offering. The Company has not assumed any responsibility for independent verification of any of the forward-looking information contained in this presentation or the related registration statement, including projections and future events and assumptions on which the projections and future events are based. None of the Company or their respective affiliates and representatives makes any representation or warranty (expressed or implied) as to the accuracy or completeness of the forward-looking information contained in this presentation and the related registration statement. Those parties or entities expressly disclaim any and all liability based on or relating to any representations or warranties (expressed or implied) contained in, or errors or omission from, this presentation and the related registration statement or based on or relating to the recipient's use or the use by any of its affiliates or representatives of this presentation or the related the registration statement or any other written or oral communications transmitted to the recipient or any of its affiliates or representatives in the course of its investment evaluation related to this investment opportunity.

The offering will be made only by means of a prospectus forming a part of the registration statement on Form S-1 relating to these securities that has been filed by the Company with the U.S. Securities and Exchange Commission. The securities offered by the Company are highly speculative. Investing in the shares of common stock of the Company involves significant risks. The investment is suitable only for persons who can afford to lose their entire investment. Furthermore, investors must understand that an investment in the Company common stock could be illiquid for an indefinite period of time.

Prior to this offering, there has been no public market for the shares of common stock of the Company. The Company has applied to list its shares of common stock on the Nasdaq Capital Market, sometimes referred to as "Nasdaq." The listing will not be approved until the time of the offering. No assurance can be given that the application will be approved or that an active trading market for the shares of common stock will develop. The Company will not consummate and close this offering without a listing approval letter from Nasdaq. If the Company does not receive a Nasdaq listing approval, they will terminate the offering.

Listing securities entails significant ongoing corporate obligations including but not limited to disclosure, filing and notification requirements, as well compliance with applicable continued quantitative and qualitative listing standards. If the Company is unable to satisfy these obligations, of which there can be no assurance, the common stock may be delisted. For additional information on Invizyne Technologies, Inc. and the offering, please review the current registration statement on Form S-1 (# 333-276987) that can be found at the following location EDGAR Entity Landing Page (sec.gov).

AN EXISTENTIAL AND CURRENT GLOBAL PROBLEM

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The world is using **unsustainable and inefficient** manufacturing processes to make fuels, foods, medicines, and other products

Examples of the fundamental manufacturing problems:

Petroleum-Based Manufacturing

- Polluting and nonrenewable
- Requires massive capex & manufacturing footprint
- Waste product toxicity and environmental degradation
- Does not provide competitive advantages and leads to a race to the bottom markets

Plant-Derived Products

- Extensive land use for small amounts of plantderived chemicals
- Large water consumption strains local supplies
- Pesticide and fertilizer cost and environmental degradation
- Seasonal variability
- Competes with food production

1st Generation Synthetic Biology

- Not economical to manufacture
- Long development cycles
- Low yields are common
- Systems often do not scale efficiently and/or affordably
- Toxicity of products can kill cells, which is the manufacturing platform



Changes the paradigm by taking the enzyme pathway out of the cell



Only 5-10% of activity goes into chemical production

All activity goes into chemical production

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Enables chemical and drug companies to turn natural resources into valuable chemicals **sustainably and affordably**

emonstrated pproach
Moving to
production scale
with more products
manufacturing
scaling feasibility
r c p w a m s ^o



Recognized leader of Cell-Free Biomanufacturing in peer-reviewed scientific journals



3X published in

4X published in



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Demonstrated **game-changing improvements** in manufacturing feasibility versus competitors



3. https://www.ieabioenergv.com/blog/publications/progress-in-the-commercialization-of-bioiet-sustainable-aviation-fuels-technologies-potential-and-challenges

CAPITAL EFFICIENT DEVELOPMENT MODEL

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\$13MM+ in grants enabling and accelerating the development of platform technology

NIH National Institute of Mental Health				
Cannabinoids Phase I SBIR	\$150k			
Cannabinoids Phase II SBIR	\$2MM			
Methylation Phase I SBIR	\$255k			



Cofactors Phase II SBIR	\$2MM
Isobutanol BETO	\$2.1MM + \$3.7MM
Alcohols ARPAe	\$1.6MM
Proteins ARPAe SBIR	\$500k

Cofactors

Phase IIb

Proteins
TCF\$150kCell-Free
Subcontract\$50k

\$1.2MM

COMMERCIALIZATION STRATEGY



DE-RISKING PROCESS AT INVIZYNE

Developing **cell-free biomanufacturing solutions** ready for commercialization



INTELLECTUAL PROPERTY POSITION

Business model leverages IP for proprietary processes, R&D platform and key enzymes

10+ patents and substantial trade secrets protecting:

Novel Cell-Free	Novel	Novel & Rare	Advanced AI and	Trade
Biomanufacturing	Enzymes	Chemicals	R&D Platform	Secrets
 Processes for novel cell-free biomanufacturing and ongoing enzyme-based production 	Novel enzyme systems developed to produce select products	 Composition of Matter for New Drugs and Chemical Entities 	Advanced AI and R&D platform, allowing for fast and cheap enzyme optimization and cell-free biomanufacturing	Trade secrets for critical R&D processes learned internally that will never be shared or disclosed

PARTNERSHIP & BUSINESS DEVELOPMENT PRIORITIZATION

Focus on opportunities and markets that

create value for shareholders High Value, Clear Path **High Value, Difficult** to Market Path to Market Quick wins with significant value. Long-term strategic projects. Prioritize for immediate action. Requires planning & resource Potential Value Creation allocation. Low Value, Clear Path to Low Value, Difficult Path Market to Market Evaluate if aligns with other Reconsider or deprioritize unless there are indirect benefits. strategic goals before pursuing.

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Difficulty of Commercialization

POTENTIAL PARTNERS BY MAJOR VERTICAL



*Please note: This is not meant to be considered a list of current customers/partners, but rather examples of partnership candidates.

PARTNERSHIP DEAL FUNNEL OPTIMIZATION



DEMONSTRATED MARKET OPPORTUNITY #1: RENEWABLE CHEMICALS/BIOFUELS

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Isobutanol used as Sustainable Aviation Fuel (SAF)

- A liquid fuel already used in commercial aviation, which reduces CO₂ emissions by up to 80%
- Comprises less than 0.1% of aviation fuels, but all airlines are looking for suppliers
- Healthy premiums/subsidies paid for SAF over fossil fuels
- A politically mandated hyper-growth market in both US and EU
- 70% of jet fuels at EU airports mandated to be SAF by 2050



Total Addressable Market (U.S.)

DEMONSTRATED MARKET OPPORTUNITY #2: PHARMA

Cell-free, enzyme-based biomanufacturing for drug discovery and development

- Enables new and better drugs otherwise impossible to make
- Allows for the biochemical engineering and mass production of a new generation of complex drug molecules, by overcoming the limitations of cellular metabolism and firstgeneration synthetic biology
- Allows for chemical engineering level control (biocatalysis) at never seen before levels by using the best of biology and chemistry simultaneously



BUSINESS MODEL WITH ASYMMETRIC UPSIDE POTENTIAL

By partnering, instead of trying to compete, we have **multiple shots on goal in multiple markets**

Limited Downside

- Downside protected by foundational patents
- High market impact, but capital light because development costs offset by government grants and partners

Unlimited Upside

- Wide range of market possibilities
- Multiple potential revenue streams per market:
 - License fees
 - Royalties (1%—8%)
 - Critical enzyme sales that no one else can make

High Impact on NPV

 Unique ability to disrupt multiple, multi-billiondollar markets

- Value creation significant without the risk profile and cost of competing directly
- Potential to generate significant investor returns relative to capital requirement

KEY FOCUS AND USE OF PROCEEDS

Five building blocks for the next three years





Scaling Enzyme Production R&D Project & Facilities Expansion Expanding the Team

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the Team Is of Talents Bus

Growing Isobutanol Business Unit & Partnerships Growing Pharma API Business Unit & Partnerships

OUR TEAM

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Experienced commercial leadership team including the world's leading cell-free scientists







Tyler Korman Ph.D. Co-Founder,

VP of Research



Paul **Opgenorth Ph.D.** Co-Founder, VP of Development



Michael Burns Karl Ph.D. VP of Business **EVP of Energy** Development Transition



Zachary

+ an expert team of 20+ scientists. chemical engineers, technicians, and business development professionals

INVIZYNE IPO SUMMARY



- + \$4.00 per share
- + 4,300,000 shares
- + Proposed Ticker: IZTC
- + Trading expected on NASDAQ in July
- + Allocation preference given to MDBH shareholders / account holders
- + Management believes IPO qualifies for Section 1202/QSBS exclusion*

*You should consult your own tax, legal and accounting advisors before engaging in any transaction.

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