

Engineering ProteinsThat Power Progress

"Scalable, animal-free protein solutions powering Life Sciences, Food & Nutrition, and BioIndustrial applications"



NASDAQ: DYAI



Safe harbor statement

Certain statements contained in this presentation (including any oral commentary that accompanies this presentation) are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, including those regarding Dyadic's expectations, intentions, strategies and beliefs pertaining to future events or future financial performance, including expected product timelines for commercialization and expected revenue growth. Actual events or results may differ materially from those in the forward-looking statements as a result of various important factors, including those described in Dyadic's most recent filings with the SEC. Undue reliance should not be placed on the forward-looking statements in this presentation, which are based on information available to us on the date hereof. Dyadic assumes no obligation to update publicly any such forward-looking statements, whether as a result of new information, future events or otherwise. For a more complete description of the risks that could cause our actual results to differ from our current expectations, please see the section entitled "Risk Factors" in Dyadic's annual reports on Form 10-K and quarterly reports on Form 10-Q filed with the SEC, as such factors may be updated from time to time in Dyadic's periodic filings with the SEC, which are accessible on the SEC's website and at www.dyadic.com



Decades of innovation driving scalable growth

A platform with proven market validation



Industrial acquisition

 Industrial enzyme business sold to DuPont (\$75M); C1 platform proven, pivoted to Rx biologics

High value input proteins

- C1 platform for life science applications
- Dapibus™
 platform for food
 & industrial proteins

R&D to revenue growth

- Revenue-generating deals in core segments
- Expected 2025 product launches via direct & partner channels



- > Proven platforms with industrial validation
- Long track record of products & partnerships
- Accelerating access to next-generation proteins

Investor Presentation



About Us

- > C1 and Dapibus™ fungal microbial platforms
- > Engineered for speed, productivity, and low-cost
- Produces standard proteins and complex biologics
- > Validated lab, food, and GMP grade production



Technology

- Accelerating access to sustainable proteins
- Faster, affordable, & scalable biomanufacturing
- Unlocking new possibilities in:
 - Life Science, Food & Nutrition, and Industrial Biotech



Mission





Investor Presentation NOV 2025

- ✓ Proven platforms with industry validation
 High-value dual platforms: C1 and Dapibus™
 Robust genetic toolbox and CRISPR license
- ✓ Transition from R&D to commercial execution Corporate rebrand to reflect commercial focus Product/platform vs. grant/R&D revenues
- ✓ Non-therapeutic focus = near-term revenue
 Faster timelines and lower regulatory threshold
 POC to revenues in ~12-18 months
- ✓ Inflection point: Commercial engines online
 First bulk purchase orders received
 Expanding portfolio and commercial reach
- Expanding product pipeline in growing markets
 Recombinant proteins launching 2025–2027
 \$25B+ market opportunity in key segments
- ✓ Strategic partnerships & revenue traction
 Active partners/revenue models across core verticals

Life Sciences: Proliant
Food/Nutrition: Inzymes
Bio Industrial: Fermbox

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Market capitalization	\$34.0 M (as of 11/12/25)
Cash & Investment-grade securities (including accrued interest)	~ \$10.4M (as of 9/30/25)
Shares outstanding	~ 36.2M (as of 11/11/25)
Debt and warrants	\$5.1 M; No warrants
Insider ownership	~ 24.1%
Total revenue 2024	~ \$3.5M
Total Q3 YTD 2025	~ \$2.5M

NASDAQ: DYAI Founded: 1979

Headquarters: Jupiter, Florida



What we do: Platforms into Products

Develop, optimize and scale recombinant BioSolutions for Life Sciences

- > From Platform to Product: Turning engineered strains into scalable protein solutions
- > Precision-engineered recombinant protein production redefining performance, scalability, and economy



















Design

Engineer

Express

Purify

Scale

- Precision strain construction using advanced insertion methods
- Licensed CRISPR technology for optimal expression and productivity

- High-density fermentation drives rapid growth and high-yield protein secretion with low-cost media
- Secreted bioburden free proteins enable streamlined purification tailored for yield, purity, efficiency, and low-cost

 Processes scale from lab to >500,000 L while maintaining consistent yield and quality



Cl and Dapibus™ dual microbial platforms driving growth

Scalable eukaryotic platforms for recombinant, animal-free protein solutions

- > Engineered for speed, yield, scale, low-cost and sustainability
- > Dyadic's microbial platforms deliver industrial performance in animal-free protein production



C1
Production Proven Platform

+



- Proven production of complex proteins and enzymes
- Phase I-validated platform
- Optimized for high yield, low cost, and regulatory readiness
- High-yield, animal-free proteins and enzymes
- Enables sustainable, affordable large-scale manufacturing
- Low-carbon, efficient precision-fermentation process

LIFE SCIENCES

FOOD / NUTRITION / BIOINDUSTRIAL



The Dyadic Revenue Engine: simple, repeatable, scalable

Three monetization channels



- How: Buy products direct from Dyadic
- Who: Suppliers, Distributers, End Users
 - Direct Bulk and OEM sales



- How: License our strains and platforms
- > Who: Suppliers and Manufacturers
 - In-House/CMO Manufacturing



- How: Use Dyadic to build your targets
- Who: Manufacturers and Developers
 - Build proprietary assets



Three strategic growth verticals Selected for scale, growth, and alignment with Dyadic's high-yield, animal-free expression platforms



\$10 billion market¹

Life Sciences

- Growth in biologics, CGT, diagnostics
- Need for consistent, animal-free recombinant input
- Examples
- Human transferrin, albumin, FGF
- DNase I & nucleic acid enzymes

Dyadic platform advantages

Why this

market?

- C1 = high yield, lower COGS, scalable RUO → GMP
- Phase I data
- Complex proteins

Market applications

- Cell & gene therapy media
- Diagnostics & reagents
- Antigens, antibodies, therapeutic proteins



\$11 billion market1

Food & Nutrition

- Precision fermentation adoption accelerating
- Large consumer demand for animal-free proteins
- Examples
- Bovine α-Lactalbumin
- Bovine transferrin
- Dapibus[™] → high-yield, low-cost food-grade production
- GRAS
- Functional nutritional proteins
- Enzyme-assisted processing
- Alternative dairy & infant nutrition



\$6 billion market¹

Bio-Industrial

- Need for renewable, bio-based industrial inputs
- Cost and sustainability pressures on manufacturers

Examples

- Cellulosic enzyme cocktail
- Industrial enzymes & biocatalysts
- Dapibus™ industrial-scale fungal fermentation
- Competitive cost structure for high-volume enzymes
- Biomass conversion
- Pulp & paper, textiles, detergents
- Green chemistry catalysts

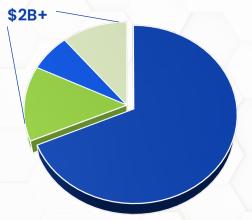


Life Sciences

Advancing high-margin inputs in cell culture and molecular reagents

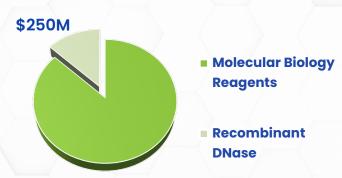
Cell Culture Media Market ~\$5B

TAM Estimate (2025)



- Cell Culture Media Market
- Recombinant Albumin
- Recombinant Transferrin
- Recombinant Growth Factors







Key segments (2025-26)

Cell Culture Media

- Market size1: ~\$5B+ (growing with CGT & biologics)
- Target customers: CDMOs, CGT manufacturers, media suppliers
- **Key Partner:** Received \$1M in license and milestones fees from Proliant with profit sharing (Albumin)
- Products: Albumin, transferrin, growth factors (FGF)

DNA/RNA Technologies

- Market size²: ~\$2B+ (growing with diagnostics & therapeutics)
- Target customers: CGT & biologic manufacturers, mRNA therapy developers
- Products: Dnase I, RNA Inhibitors, DNA Ligases

Current Highlights

- CRISPR licensing via ERS Genomics
- \$500K milestone from Proliant
- Transferrin and FGF manufacturing and launch in 4Q
- DNase I validation and launch in 4Q
- Expanded commercial reach in Asia region via Intralink partnership

²Management assumption from recombinant adoption trends and reagent segment estimates https://www.marketsandmarkets.com/Market-Reports/molecular-biology-enzymes-kits-reage https://www.synbiobeta.com/news/synthetic-biology-market-update-2024



Near-term product pipeline: High-value launches by segment





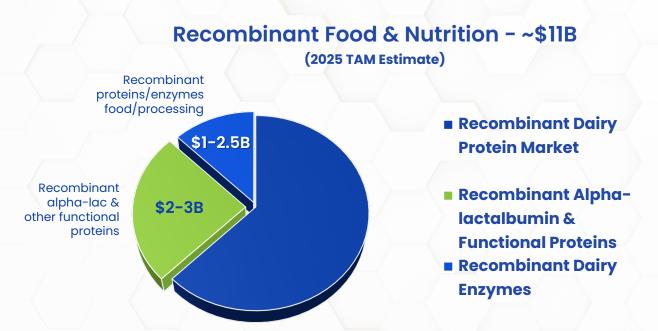
Life Sciences ¹					
Product Name	Channel	Expected Launch Status	2025	2026	2027
Human Albumin	Proliant	licensed	•		
DNase I	OEM/Direct	2025	——		
Transferrin	Direct/License	2026		—	
FGF	Direct/License	2026		—	
TdT, Ligases, RNase Inh.	OEM/Direct	2026			
Human Lactoferrin	Direct/License	2027			—
Human α-Lactalbumin	Direct/License	2027			—

¹Based on management estimates as of July 23, 2025 for biologics, intermediates, and ingredients for human & animal research, development & manufacturing



Food and Nutrition

Positioned to capture value in the recombinant food & nutrition revolution





Key Segments 2025-26

Non-Animal Proteins & Functional Ingredients

- Market size¹: ~\$11B+ alternative dairy, functional food, wellness
- Target customers: Ingredient suppliers, food & beverage companies, alt-dairy brands
- Key Partner(s): Inzymes, received \$1.275M in license and milestone fees w/product royalties; BRIG BIO development & commercialization of bovine αlactalbumin, access, milestone, royalties and comarketing
- Products: α-lactalbumin, transferrin, growth factors, lactoferrin, non-animal dairy enzymes

Current Highlights

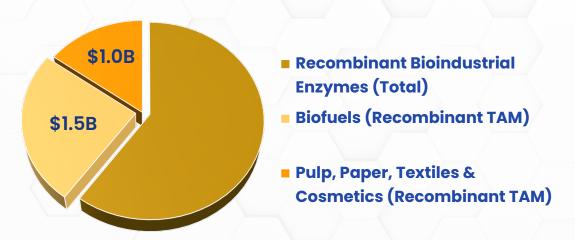
- First bulk purchase order in cultured meat
- CRISPR licensing via ERS Genomics
- \$250K milestone from Inzymes
- Term sheet signed for α -lactalbumin
- Several end-stage negotiations in process



Bio-Industrial

Driving sustainable growth in bio-industrial inputs through proven enzyme solutions







Key Segments 2025-26

Biomass processing, biofuels, industrial uses

- Market size¹: ~\$6B+ enzyme and biomass processing input market
- Target customers: Pulp & paper, renewable fuels, biogas
- **Key Partner:** Fermbox 50/50 profit sharing
- **Products:** Cellulosic enzymes, hyaluronidase

Current Highlights

- Fermbox partnership revenues in 2026
- Expanded sampling in biofuels
- Collaboration for exploring regenerative medicine applications for cellulosic enzymes



Near-term product pipeline: High-value launches by segment

Dapibus™ Platform



Food & Nutrition ¹					
Product Name	Channel	Expected Launch Status	2025	2026	2027
Non-animal dairy enzymes	Partnered - Inzymes	2025			
Bovine transferrin	Direct/License, food-grade	2025			
Bovine α-Lactalbumin	Direct/License, food-grade	2027			
Human α-Lactalbumin	Direct/License food-grade	2027			



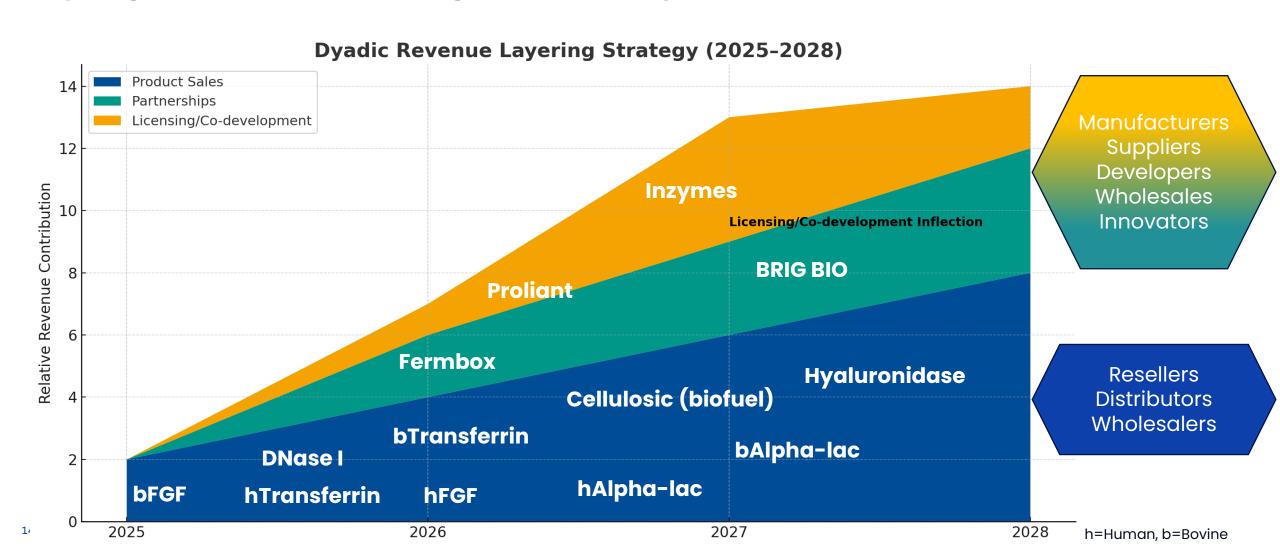
Bio-Industrial ¹					
Product Name	Channel	Expected Launch Status	2025	2026	2027
Cellulosic enzyme cocktail	Partnered - Fermbox	2025			
Pulp/paper enzyme cocktail	Direct Sales/License	2026		——	
Hyaluronidase	OEM/Direct/License	2027			

¹Based on management estimates as of July 23, 2025



Pathway to revenue:

Layering Product, Partner Licensing, and Co-Development Revenues





Legacy R&D programs expected to fuel strategic momentum

Advancing Dyadic's platform while reinforcing its commercial credibility



Legacy programs aid platform innovation

- Non-dilutive funding, strategic validation, global visibility
- Global health collaborations drive strategic value
 - Gates Foundation: \$3M grant → \$1.5M milestone in 2025
 - Coalition for Epidemic Preparedness Innovations (CEPI) \$4.5M grant¹ - C1 Platform
 - → Fondazione Biotecnopolo di Siena (FBS) (Rappuoli-led)
 - European Vaccine Hub (EVH): €170M¹ initiative
 - → Dyadic contributing to Discovery pillar (Rappuoli-led)
 - Additional fully funded partners: CEPI, FBS, Rubic, Israel Institute for Biological Research

Partner-funded advancements accelerate platform value

- All legacy R&D fully externally funded
- Enhancing C1 for advanced biologics: mAbs, VLPs, ferritin nanoparticles, antigens
- Boosting visibility and credibility in global health and vaccine innovation



Veteran leadership with diverse pharma and industrial experience



Mark Emalfarb, Founder/CEO
Entrepreneur, inventor 25+ U.S. and foreign biotechnology patents, filamentous fungal enzyme product commercialization



Deloitte.

Ping Rawson, CFO
20+ years of finance, accounting & international trade and business development experience



Joe Hazelton, President/COO
25 Years in pharmaceutical Industry,
commercialization, regulatory, business and
clinical development



Ronen Tchelet, CSO

20+ years in biopharmaceutical industry & recombinant product commercialization

Board Chairman



Patrick Lucy, Chairman of the Board 20 years of bioprocess biotech and business development experience



Why invest now?

Dyadic's inflection point

Transition from R&D to commercial revenues

- > Commercial transition complete; operating as **Dyadic Applied BioSolutions**
- > New branding, website, and IR/BD materials aligned with commercial strategy
- > Infrastructure, technology, and team in place to scale product sales

Commercial engines now active

- > Cl and Dapibus™ validated across life sciences, food & nutrition, and industrial markets
- > CRISPR integration accelerating strain optimization and product yield
- > First bulk order received in 4Q25; additional orders and OEM partners expected

Near-Term Revenue Driven by Non-Therapeutic Focus

- > Shorter timelines and lower regulatory burden than therapeutic biologics
- ➤ Multiple high-value protein launches expected over next 12-36 months
- > Commercial expansion supported by Intralink in Asia
- > Partnered production already underway (Proliant, Inzymes, Fermbox)

Legacy wins provide momentum

- > Externally funded programs (Gates, CEPI, others) advance platform with no capital drain
- > Non-dilutive partnerships strengthen technology and global visibility

Revenue Inflection Coming

- > Strong setup for step-change in commercial revenue beginning late 2025
- > Product launches across Life Sciences, Food & Nutrition, and Bio-Industrial fueling growth

"The heavy lifting is complete"

- positioned to scale revenue rapidly





Thank you!