



# symbiosis

## Mycelium Network

Presented by: Hiram Dunn



# The Problem

**Women's Hormonal cycles are disrupted** by stress, environment, and synthetic supplements — leaving millions underserved by current solutions.  
Most products don't address circadian rhythm and microbiome stability.

# Solution: A Nighttime Indigo Supplement Powered by Metabolic Programming



Lactarius indigo

First evidence of Indigo-production in mycelium.

Captured June 2025

Indigo-rich mycelium may support hormone balance via antioxidant activity, microbiome modulation, and circadian alignment.

**Proven:** We've activated symbiotic mycelial metabolism in vitro using precursors and signaling molecules

- **Next:** train mycelium using pulsed LED light and camera-based feedback to enable scalable, organic bioparogrammable fermentation.

# The Market

**\$35B+ women's health supplement market** — growing 9%+ yearly — driven by demand for safe, organic alternatives.

Our **powdered mushroom supplement** is designed for this shift:

An organic solution - driving growth as consumers seek safer alternatives that have a perceivable outcome.

We're building a **direct-to-consumer brand** positioned for the future:

As AI increasingly guides consumer decisions, **data-driven decisions**— not influencer hype — will win. Symbiosis will be building a robust database of product users.



# Simbiosis vs. the Syn. Bio. Status Quo



## Organism

GMO mold

## Pigments

Red & yellow dyes for food colorings

Red-blue neuroactive pigments

## Technology

CRISPR

(40 year old tech)

Associative learning + metabolic stimulation  
(tech of tomorrow)

## Category

Food dyes, cosmetic

Supplements/  
functional textiles

# Solo Founder, Proven Breakthroughs

Lab-confirmed pigment production captured June 2025 — visible purple hue on agar.



**Hiram Dunn**  
Founder

**Self-funded researcher with lab-confirmed evidence of activation of fungal metabolism using signaling molecules — now building out a private lab to scale the platform.**

**Background in: inhalation drug development, formulation, manufacturing, and IP.**

# Seeking \$300K Pre-Seed Investment

**Boot-strapped currently**

**Be part of the first  
programmable, organic  
biomanufacturing  
platform.**



\$300K pre-seed Round (10% equity)

**\$50K** Lab (Texas lab buildout on my  
private land)

**\$50K** AI camera, lab equipment, IP

**\$100K** Founder Salary (2 years)

**\$100K** reserved for product dev and  
launch (women's health supplement).



# Thank You

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