



simbiosis

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 bioprogrammable 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. Simbiosis will be building a robust database of product users.



Simbiosis vs. the Syn. Bio. Status Quo



Organism

GMO mold



Organic symbiotic
mushroom mycelium

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

Confirmed indigo 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 (5% 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).



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Thank You

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