



# brightseed

Harvesting Nature's Intelligence

# Developing forces in the ecosystem

Consumers want food products to be a trusted source of health

Plants are a vast and still untapped source of natural solutions

Brightseed discovers compelling natural solutions with unprecedented speed

# Nature has always held the solution

>10,000,000

Universe of plant compounds

More than 99.9% of plant compounds  
have yet to be discovered

10,000's  
Known plant compounds

# Brightseed unleashes nature's intelligence in food

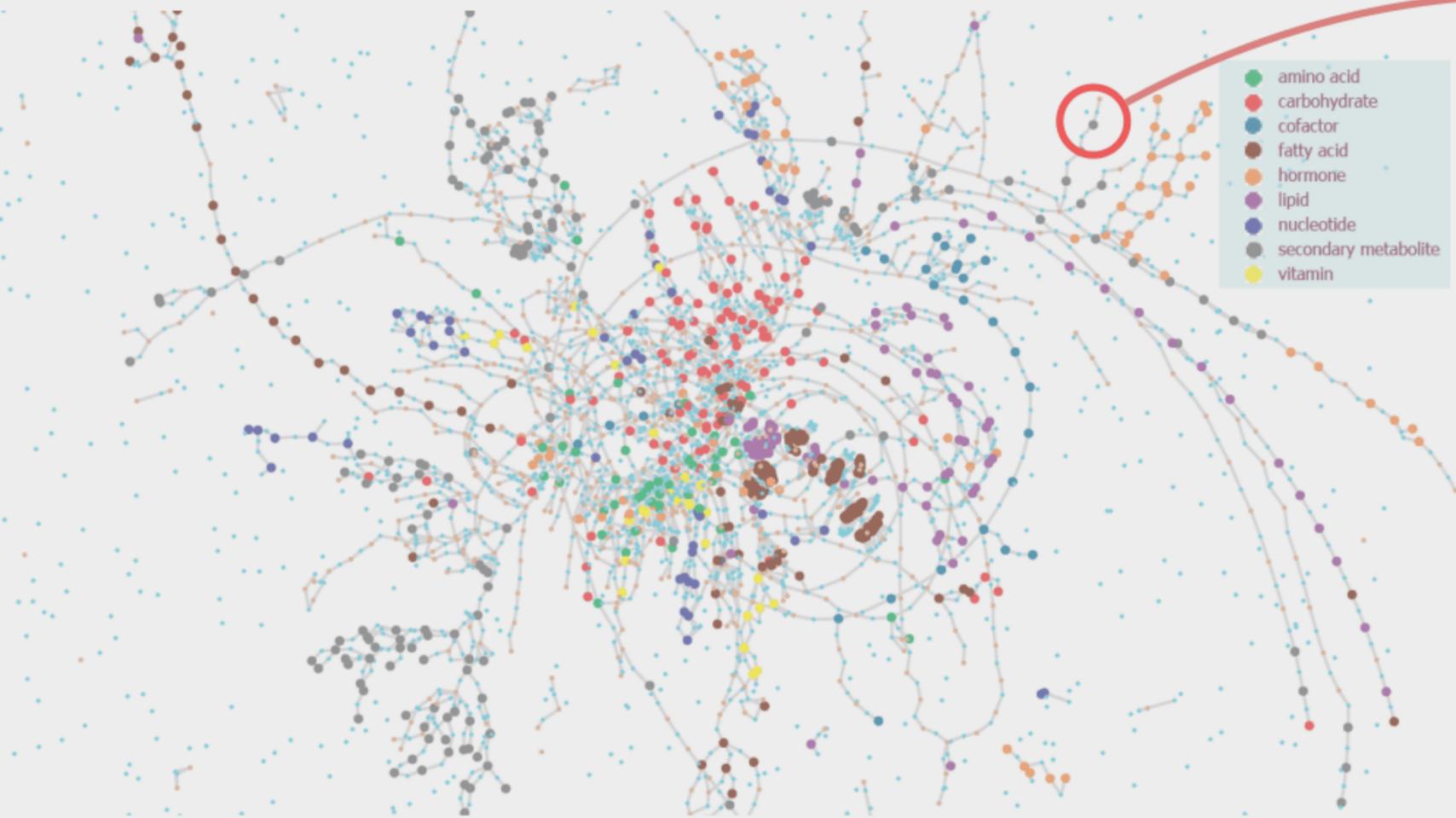
- Brightseed's discoveries **transform today's food CPG products** into a scientifically proven source of health
- By restoring the central role of plants and their healthful compounds in nutrition, we can reconnect every person to the goodness in the foods they eat

# Brightseed built Forager™, nature's discovery engine

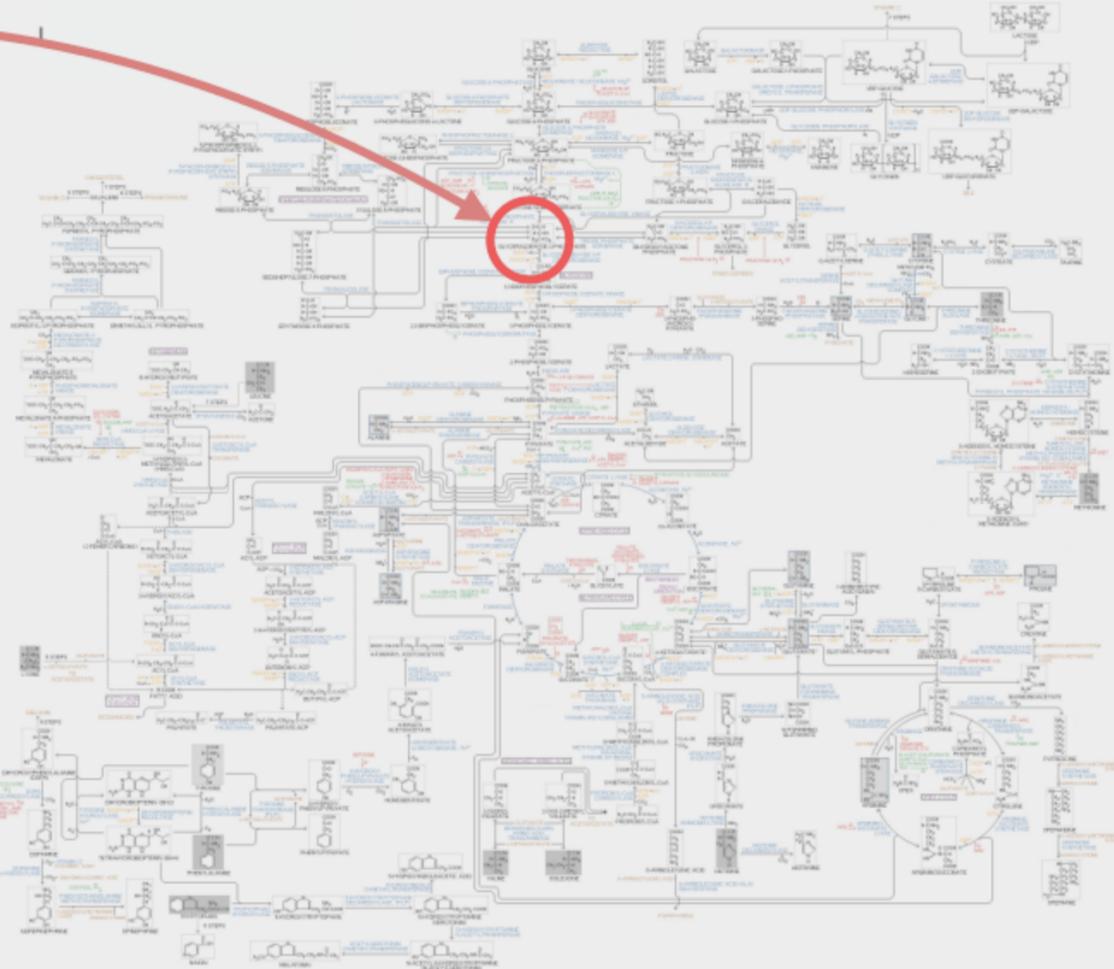
- Brightseed created Forager, a computational intelligence that understands nature more profoundly than human intelligence
- Forager is fueled by Brightseed's growing **proprietary data** on the world's plants and deep knowledge of human biology
- Forager interrogates and learns natural phenomena with **unprecedented speed and scale**, discovering natural compounds that solve unmet human problems

# We find authentic sources of health compounds, faster

## Plant compound space



## Human metabolism



# Magellan, our first discovery, boosts metabolism

- Today's diet impairs our normal metabolic regulation, exposing us to the dangers of chronic illness such as cardiovascular disease, diabetes, and liver disease
- Magellan is a **natural plant compound** that boosts the body's natural ability to regulate its metabolism
- Magellan works through a **clinically proven mechanism of action**, allowing the body to counter the adverse effects of modern food
- Patents are pending on composition, methods, and process

# Magellan benefits reconnect consumers with brands

**"Naturally clears harmful fats"**

**"Plant-powered body regulator"**

**"Awaken your body's natural restorative powers"**

# Why partner with Brightseed

## Offer proven health benefits

### Magellan

- Embed Magellan as a plant bioactive in food, beverage or supplements with category exclusivity
- Provide consumers with purpose driven consumption, authentically

## Rapidly transform strategy to product

### Forager

- Deliver plant-based solutions for strategically relevant health benefits in your product portfolio
- Unlock the intrinsic health benefits of your existing supply chain

# Accomplished management team



**Jim Flatt, PhD**  
Co-founder and CEO

Biosciences leader with track record of translating breakthrough discoveries and leading-edge technology into commercially successful products, including nutritional lipids at Martek Biosciences, renewable products at Synthetic Genomics, renewable biofuels at Mascoma and food technology at Hampton Creek. MIT Chemical Engineer, University of Wisconsin PhD.



**Sofia Elizondo, MBA**  
Co-founder and COO

Business leader with a track record of business model innovation working with consumer goods, pharmaceutical and technology companies. Former researcher at the BCG Henderson Institute and advisor to the United Nations. Launched, grew and managed multi-million dollar business lines in online and food technology venture-backed startups in Silicon Valley. Stanford Graduate School of Business MBA.



**Lee Chae, PhD**  
Co-founder and CTO

Computational and molecular biologist leader with a track record of designing cutting-edge discovery methodologies for biomedicine, synthetic biology, agricultural biotech and food technology. Principal scientist in discoveries, including machine-learning driven identification of functional food proteins and computationally driven screens for novel metabolic genes and nutritional plant bioactives. UC Berkeley PhD, Stanford Carnegie Institute of Plant Biology.



**Carol Lynn Berseth, MD**  
SVP Medical and Scientific Affairs

Executive leader bridging technical and commercial teams for novel health product launches. Former Medical Director in Global Clinical Innovation at Mead Johnson. 15+ years clinical experience and academic research leadership at Mayo Clinic and Texas Children's Hospital. Drove portfolio of over 60 global clinical trials supporting over 200 global product launches.

# Top-tier advisory team



**Bernhard van Lengerich, PhD**

Former Chief Science Officer of General Mills



**Fred Levine, MD, PhD**

Biochemical genetics and inherited metabolic diseases specialist. Director of Sanford Health Research Center



**Valerio Nannini, MBA**

Former SVP Head of Strategies and Performance of Nestle, former head of Nestle Singapore



**John SanGiovanni, PhD**

Chief of Unit on Genetics in Nutritional Neuroscience, National Institutes of Health, Professor Georgetown School of Medicine



**Peter Domaille, PhD**

Widely published researcher in analytical quantitation and structure elucidation



**Jed Fahey, ScD**

Nutritional biochemist and expert in plant physiology, human nutrition and biochemistry, Director of the Chemoprotection Center at Hopkins University



**Jason Ryder, PhD**

Expert in process and product development in industrial biotech and food tech. Advisory positions at Bolt Threads, Amyris, Miraculex



**Trent Northen, PhD**

Director of High-Throughput Biochemistry at the DOE Joint Bioenergy Institute and metabolomics leader at the DOE's Joint Genome Institute



# Supported by world-class investors



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