# Anticipating Disruption: A DataDriven Approach

June 16<sup>th</sup>, 2022

Chris Townsend CMO

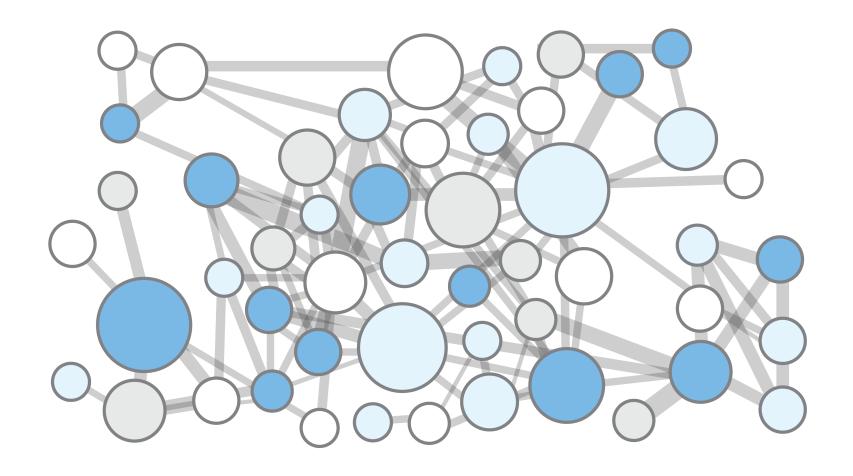


# **About Wellspring**





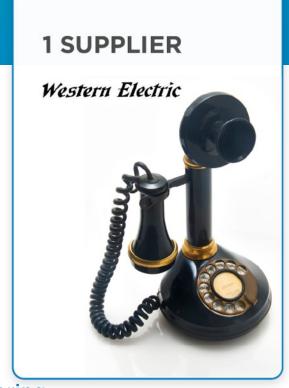
# This is What Modern Innovation Looks Like





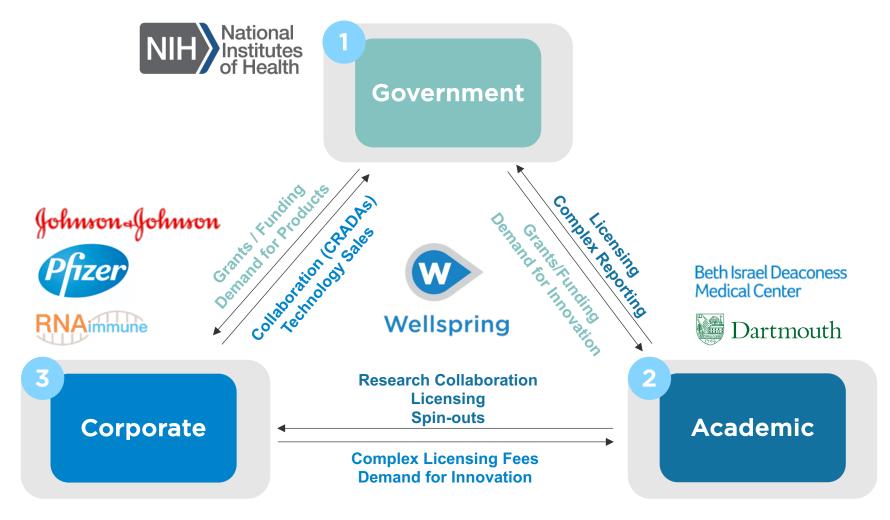
## **Innovation Has Evolved**

The new innovation game is global, distributed, and accelerating. Every half hour, **720 patents** are filed, **150 research articles** are filed, and **70 new startups** are founded.





# The power of ecosystem-wide innovation





# Hundreds of organizations use our solutions









































# We Help the World Innovate



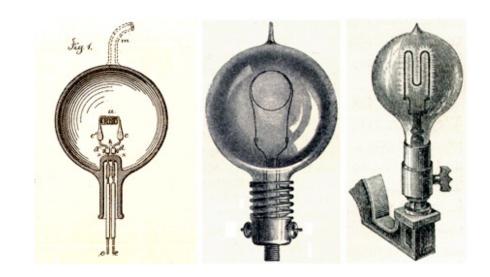
Anticipating Disruption: A Data-Driven Approach



# Simultaneous discovery: innovations come in waves

"The procession of technological discoveries is inevitable. When the conditions are right — when the necessary web of supporting technology needed for every invention is established — then the next adjacent technological step will emerge as if on cue."

- Bell and Gray file competing telephone patents on the same day in 1876.
- HP (in US) and Canon (in Japan) file independent patents for the inkjet printer in 1977.
- 23 independent inventors of light bulbs (before Edison).
- 6 different inventors of the thermometer.
- 5 independent discoveries of vaccination.
- 6 different inventors of electric trains.
- ...and much (much) more



Source: Kevin Kelly, *The Progression of the Inevitable*, August 6, 2009



# If it were easy...

Even when the broad strokes are clear, it's hard to anticipate the specific point of attack.

















# Woolworth



# Anticipating disruption - keys to success

### **Technologies**

How do we identify tomorrow's valuecreation platforms, ahead of the curve?

### **Capabilities**

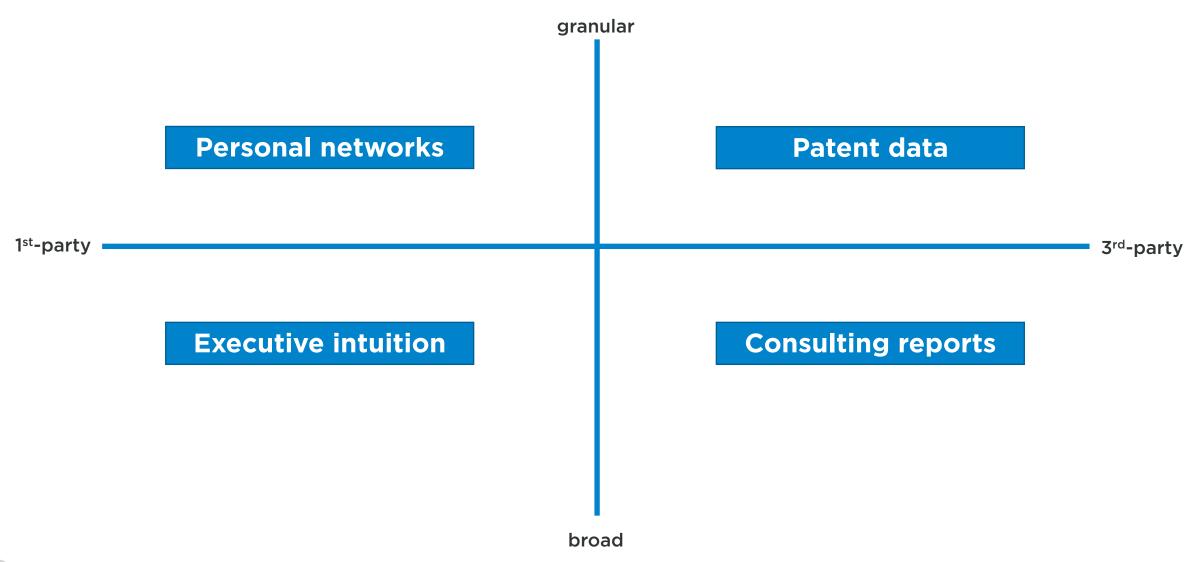
How do we find the best levers to translate emerging technologies into core advantage?

### **Timing**

How can we tell when is the right time to invest? In what sequence? And how fast?



# Traditional methods - still good enough?



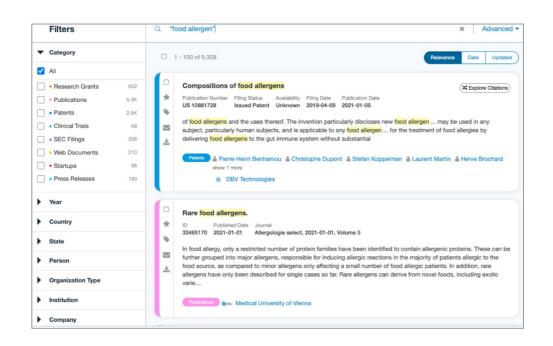


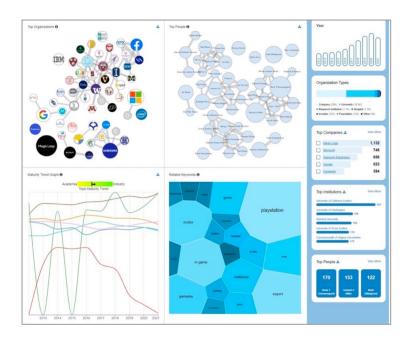
# Modern software is changing the game

Large, complementary data sets

Advanced AI/ML techniques

Integrated analytics capabilities







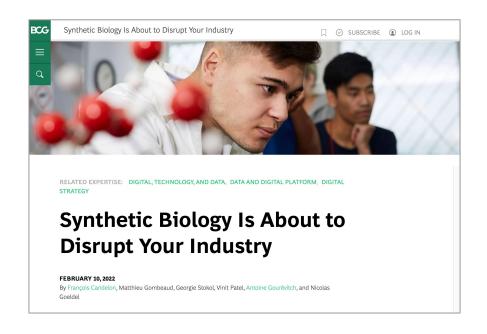
# Critical questions to ask

- Which technology spaces should we be watching?
- When will a given technology space reach maturity?
- Which technology approach will prove foundational?
- Who among the emerging players will dominate?
- What can we learn from the investor ecosystem?

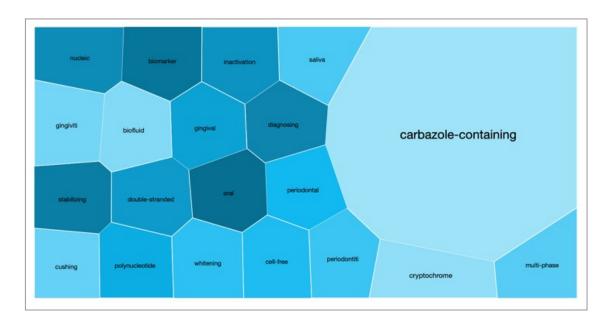


# Which technology spaces should we be watching?

### **Personal Insights**



### **Analytics Insights**



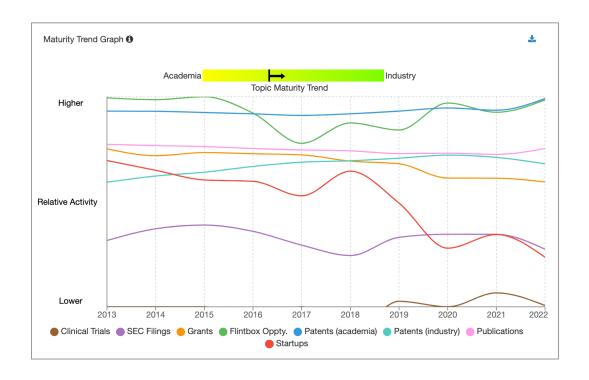
Source: François Candelon et al, <u>Synthetic Biology is About to Disrupt Your Industry</u>, February 10, 2022

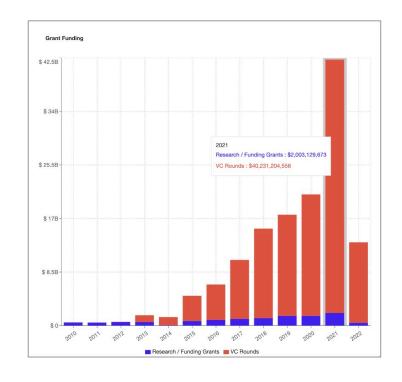


# When will a given technology space reach maturity?

Basic Applied Research Research

Technology Development Product Development







# Which technology approach will prove foundational?

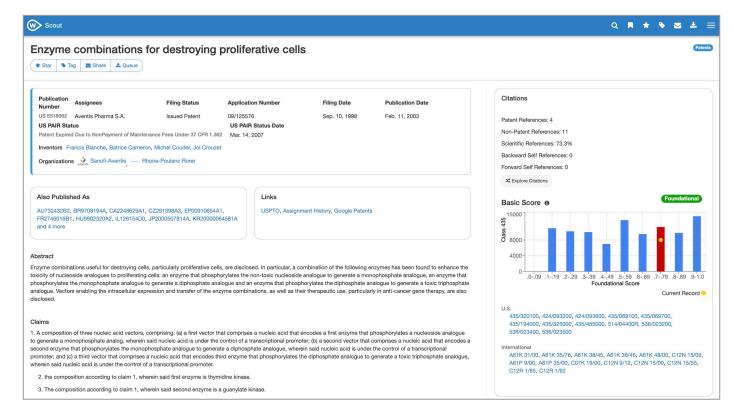
### **Citation analysis**



applications. Construction of technology indicators being an important use of

patent citations, various patent citation based technological indicators and their

### **Basic score**



applications are also described.

# Who among the emerging players will dominate?

### **Trade Shows**



### **Emergent Organizations**

E	ergent Organization Ranking 🚯					
0	Organization	Focus	Activity	Impact	Total Funding 6	Rank 4
T	Pronutria Biosciences, Inc.	85.2%	23	0.768		1
T	SNIPR Technologies	75.9%	44	1.06		2
T	Synlogic	28.8%	34	0.394		3
T	Advanced Elemental Technologies	41.2%	14	5.44		4
T	Intelligent Synthetic Biology Center	41.3%	26	0.0502		5
T	Synlogic Operating	26.7%	36	0.313		6
T	Pronutria	26.9%	21	0.734		7
T	Bio Architecture Lab	24.4%	11	1.40		8
T	Evolva	10.7%	75	0.417		9
T	Autonomous Medical Devices	13.9%	5	0.166	\$141,495,154	10
T	Manus Bio, Inc.	20.0%	7	0.203		11



# What can we learn from the investor ecosystem?

Investments				crunchbas
Date	Organization	Round	Amount	Other Investors
May. 20, 2022	Belong	Series C	\$50,000,000	Battery Ventures, Fifth Wall, GGV Capital, Lastseen Ventures
May. 19, 2022	Azra Games	Seed	\$15,000,000	Coinbase Ventures, Franklin Resources, Gabby Dizon, Joachim Lecrivain, Justin Kan, NFX, Play Ventures, Roham Gharegozlou
May. 18, 2022	SpotOn	Series F	\$300,000,000	DST Global, Dragoneer Investment Group, Franklin Resources, G Squared, Lastseen Ventures, Mubadala
May. 18, 2022	Keep Financial	Seed	\$9,000,000	Cambrian Ventures, Launchpad Capital, Thomvest Ventures, Worklife Ventures
May. 17, 2022	Imply	Series D	\$100,000,000	Bessemer Venture Partners, Khosla Ventures, Lastseen Ventures, OMERS Growth Equity, Thoma Bravo
May. 16, 2022	Metatheory	Series A	\$24,000,000	8point8 Capital, Breyer Capital, Dragonfly Capital Partners, FTX Ventures, Global Coin Research, Merit Circle, Pantera Capital, Recharge Thematic Ventures, Sfermion
May. 16, 2022	Locale	Seed	\$14,000,000	
May. 13, 2022	StartPlaying	Seed	\$6,500,000	
May. 12, 2022	ТірТор	Series A	\$23,000,000	Andy McIoughlin, Cyan Banister, Dan Romero, Gokul Rajaram, Jeff Clavier, Jude Gomila, Nabeel Hyatt, Naval Ravikant, Sam Altman, Scott Banister, Sean Plaice, Vivek Patel
May. 11, 2022	Material Security	Series C	\$100,000,000	Elad Gill, Founders Fund, Jaws Ventures, La Famiglia
May. 11, 2022	Deel	Series Unknown	\$50,000,000	Emerson Collective, Lastseen Ventures, Spark Capital, Y Combinator
May. 11, 2022	Turquoise Health	Series A	\$20,000,000	Bessemer Venture Partners, BoxGroup, Tiger Global Management
May. 11, 2022	Fanhouse	Series A	\$20,000,000	
May. 10, 2022	Talos	Series B	\$105,000,000	BNY Mellon, CVC Capital Partners, Castle Island Ventures, Citi, DRW, Fidelity Investments Ireland, Fin Capital, General Atlantic, Graticule Asset Management Asia, Illuminate Financial, Initialized Capital, Joachim Lecrivain, LeadBlock Partners, Matrix Capital Management, Notation Capital, PayPal Ventures, SCB 10X, Stripes, Voyager, Wells Fargo
May. 10, 2022	Co-Create	Seed	\$25,000,000	Amy Wu, Autograph, Fractional, Not Boring Capital, RTFKT, VaynerFund
May. 9, 2022	Irreverent Labs	Series A	\$40,000,000	Advancit Capital, Capitoria, Infinity Ventures Crypto, Keen Crypto, MANTIS Venture Capital, Michael Ovitz, Solana Ventures, Sonam Kapoor Ahuja, Unlock Venture Partners
May. 5, 2022	Logseq	Seed	\$4,100,000	Charlie Cheever, Craft Ventures, <b>Dave Winer</b> , Day One Ventures, FJ Labs, Matrix Partners China, Nat Friedman, Na Ravikant, Patrick Collison, Tobias Lutke, Union Square Ventures, Youbi Capital
May. 5, 2022	LootRush	Seed	\$12,000,000	Paradigm, Y Combinator





# Software is part of an integrated practice

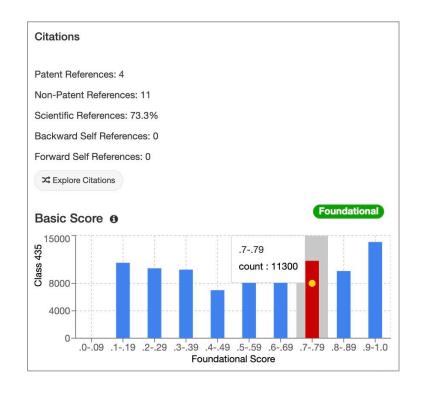
- Anticipating disruption...
  - Is a continuous process.
  - Flows from corporate strategy.
  - Informs innovation decisions.

- Comprehensive and unified data...
  - Drives economies of scale.
  - Augments existing practices.
  - Yields insights everywhere.
  - Unlocks new investment options.

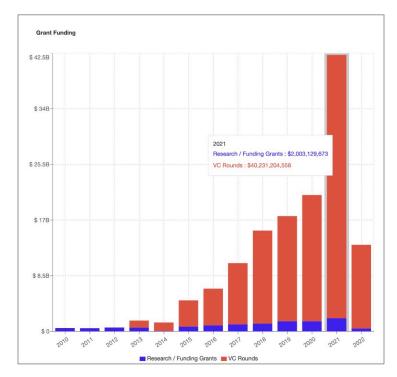


# Wellspring Scout - spring 2022 release

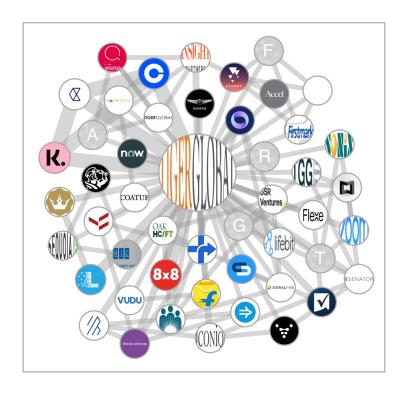
### **Basic Score**



### **Funding trends**



### **Investor networks**





Thank you + Q&A

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