



Connecting Biology, Technology, and Innovation

2024 Event Agenda

As of February 28, 2024, Subject to Change

Join us for Keynotes, Fireside Chats, Networking Events, Breakout Sessions & Panels, Roundtable Discussions, Lunch & Learns, Poster Sessions, and Innovative Exhibits



May 6-9, 2024 – San Jose Convention Center, California

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2024 Speakers Include

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For a complete list of Speakers visit synbiobeta.com



Stephen Wolfram
Wolfram Research



Vinod Khosla
Khosla Ventures



Linda Avey
Humain Ventures



Craig Venter
JCVI



Nina Tandon
EpiBone



Martine Rothblatt
United Therapeutics



Brad Ringeisen
Innovative Genomics Institute



Seemay Chou
Arcadia Science



Paul Stamets
Fungi Perfecti



Sang Yup Lee
KAIST



Drew Berry
Animator



Mary Lou Jepsen
Openwater



Fengru Lin
Turtle Tree



Jen Wipf
Ginkgo Bioworks



Benjamina Bollag
Uncommon



Benson Kinyagia
National Commission for
Science in Kenya



Packy McCormick
Not Boring



Stephen Quake
Chan Zuckerberg Biohub
Network



Valerie Sarisky-Reed
Department of Energy (DOE)



Natsai Audrey Chieza
Faber Futures



Megan Palmer
Ginkgo Bioworks



Barry Bunin
Collaborative Drug Discovery
(CDD)



Subaita Rahman
Nucleate Dojo



Vern Norviel
Wilson Sonsini Goodrich & Rosati

Human Health

Tools & Technology

Planetary Health

Business of
Biology & Society



Erin Kim
Erin Kim Consulting
Consumer Products



Paul Stamets
Fungi Perfecti
Psychedelics



Shelby Newsad
Compound.vc
AI & Digital Biology



Sarah Carter
Science Policy Consulting
Biosecurity & Bioethics



Yves Falanga
FyT Consulting
Biopharma Solutions:
Tools & Technologies



Daniel Grushkin
Biodesign Challenge
Biodesign



Georgia Lagoudas
Former White House Office
of Science and Technology Policy
Bioeconomy & Policy



Alex Colville
age1
Longevity



Mike Kamdar
SynBio Consultants
Reading, Writing & Editing DNA



Amanda Cashin
Startup Advisor
Capital Markets



Jake Glanville
Centivax
Engineered Human Therapies



Ginger Dosier
Biomason
Chemicals & Materials



Chris Udall
gener8tor
Space Exploration



Stephanie Michelsen
Jellatech
Food & Agriculture



Shannon Hall
Pow.Bio
Biomanufacturing Scale Up



Kit McDonnell
LanzaTech
Climate Tech & Environment



Alfred Brown
DeSci London | SynBioBeta
DeSci - Decentralized Science



Amy Kruse
Satori Neuro
Neurotech



**THE GLOBAL
SYNTHETIC BIOLOGY
CONFERENCE**



synbiobeta

May 6-9, 2024 - San Jose Convention Center, California

Agenda by Day

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2024 Conference Themes

Human Health

Engineered Human Therapies | Biopharma: Tools & Technologies
Neurotech | Psychedelics | Longevity

Tools & Technology

AI & Digital Biology | Biomanufacturing Scale-Up | Reading, Writing & Editing DNA

Planetary Health

Climate Tech & Environment | Chemicals & Materials | Food & Agriculture | Space Exploration

Business of Biology & Society

Capital Markets | Bioeconomy & Policy | DeSci - Decentralized Science
Biodesign | Biosecurity & Bioethics

Pre Conference

Mon, May 6

Arrive in San Jose
**Introduction to Synthetic
Biology Course**
New Attendee Reception

Day 1

Tues, May 7

Day 2

Wed, May 8

Day 3

Thurs, May 9

Keynotes, Fireside Chats, Lunch & Learns
Spotlight & Lightning Talks, Breakout Sessions
Exhibit Hall & Poster Sessions
Networking & 1:1 Partnering



Time	Location	Description				
8:30am	Main Stage	Welcome John Cumbers, SynBioBeta				
8:40-9:10am	Fireside Chat Main Stage	Craig Venter & Linda Avey @SynBioBeta - The DNA Discovery Tour				
9:10-9:40am	Panel Main Stage	From Complexity to Commercialization: The DNA Synthesis Saga Continues				
10-10:30am	Exhibit Hall	Coffee Break				
10:30-11am	Panel Main Stage	From Lab to Table: Navigating the Future of Cellular Agriculture				
10:30am-7pm	Hall 2	Exhibit Hall and Poster Sessions Open				
11-11:45am	Lightning Talks Main Stage	<p>The Sequencing Launchpad for the Microbe-Powered Bioeconomy, bitBiome</p> <p>Presented by DNA Script</p>	<p>Scaling Synbio Products: Know Your Road to Market, Black & Veatch</p> <p>Presented by ZBiotics</p>	<p>Harnessing Nature's Molecules: How Synbio in Plants Can Fix Our Broken Food System, Elo Life</p> <p>Presented by VTT</p>	<p>Synthetic Biology vs Antibiotic Resistance: New Allies in an Age-Old Battle, Synprogen</p>	<p>Breaking the SynBio Bottleneck: Ultra-High Throughput Sequencing for Synthetic Biology Discover, seqWell</p>
		12:05-12:15pm	Lightning Talks Main Stage	Reshaping Biology with the Power of Enzymatic DNA Synthesis, Ansa Bio		



Time	Location	Description
12:15-1:30pm	Various	Conference Lunch (Hall 2) Investors Luncheon Invite Only (Grand Ballroom)
12:45-1:30pm	Grand Ballroom	Press Conference Invite Only
12:15-1:30pm	Lunch & Learns	<p>Ranger Technology Accelerates Genetic Engineering Workflows, Yourgene Health</p> <p>Harnessing Synthetic Biology to Increase Nutrient Density, Ayana Bio</p> <p>Code to Strand: Transforming Your Digital Sequences into Pristine Synthetic DNA, Ribbon Biolabs</p>
1:45-2:30pm	Breakout Sessions	<p>How to Keep an Organ Alive Outside the Body</p> <p>The Space Bioeconomy: From Concept to Commerce</p> <p>Scaling Biological Solution Capacity</p> <p>SynBio-Enhanced Supply Chain Security: Feedstocks and Distributed Manufacturing for Global Climate Resilience</p> <p>Biomachines Beyond Nature: How Can We Make Molecules Precisely Tailored to Our Needs?</p>
		<p>Fermentation Frontiers: A Dialogue with Visionary Biotech Entrepreneurs</p> <p>Next Frontiers in Nucleic Acid Medicines and Protein Folding: Unleashing a New Class of Therapeutics</p> <p>Feeding the World E-fish-iently One Krill Replacement at a Time</p> <p>Gut Instincts: Decoding the Brain-Microbiome Dialogue</p> <p>Living the Code: Gene Synthesis Impacts Beyond the Lab</p>
		<p>Workshop brought to you by: GeneFrontier</p> <p>Breakout Session Brought to you by: Beckman Coulter Life Sciences</p> <p>Breakout Session Brought to you by: Beckman Coulter Life Sciences</p>
1:45-2:30pm	Parallel Main Stage	Presented by Genscript
2:45-3:30pm	Parallel Main Stage	Can Synthetic Biology Heal Exponential Climate Change?, Baruch Future Ventures



Time	Location	Description
2:45-3:30pm	Breakout Sessions	<p>Building Biomanufacturing in Today's Financial Market, Liberation Labs</p>
		<p>Crossing Chasms with Creative Capital</p>
		<p>Gene Meets Cell: The SynBio Evolution in Targeted Therapeutics</p>
2:45-3:30pm	Breakout Sessions	<p>Biotech Shapes Society, But How? Artists and Designers Show Us</p>
		<p>Bioremediation and Biorecycling for the Circular Economy</p>
		<p>Can Molecular Farming Create the Next Breakthrough in AgTech?</p>
2:45-3:30pm	Breakout Sessions	<p>Decoding Genomic Frontiers: Learning the Code of Life with DNA Foundation Models</p>
		<p>Commercialization Unlocked: How to Overcome Synbio's Core Scale-Up and Manufacturing Challenges</p>
		<p>Navigating the Financial Landscape of Synthetic Biology: From Seed to IPO'</p>
2:45-3:30pm	Breakout Sessions	<p>New Funding Models for Scientific Breakthroughs</p>
		<p>Undruggable Targets and the Advent of Generative AI - Finding New Small Molecule Targets to Difficult to Reach Pockets</p>
		<p>Breakout Session Brought to you by: Ansa Biotechnologies</p>
3:30-4pm	Exhibit Hall	Coffee Break
4:05-4:35pm	Fireside Chat Main Stage	Wolfram & Quake Live in San Jose: The AI + Bio Tour! Stephen Wolfram & Stephen Quake
4:55--5pm	Spotlight Talk Main Stage	Biocomputers: Transforming Our Work with Smarter Biology, Ailurus
5:20-5:25pm	Spotlight Talk Main Stage	From AI Hallucinations to Standardized Biomachines: The Solution for Generative Biology, Quantum Sky
6-7pm	Lower Level Concourse	Exhibit Hall Reception
6:30-8:30pm	Lower Level Concourse	Welcome Party

Day 2

Wed, May 8, 2024



**THE GLOBAL
SYNTHETIC BIOLOGY
CONFERENCE**

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Time	Location	Description
6:30-7:30am		Wellness Activity
7-8:15am	Grand Ballroom	Start-Up & Investor Breakfast Invite Only
		Marketing & Messaging Breakfast Invite Only
8:30am	Main Stage	Welcome John Cumbers, SynBioBeta
8:35-9am	Keynote Main Stage	The Role of Synthetic Biology in Promoting Health and Sustainability Sang Yup Lee
9-9:05am	Spotlight Talk Main Stage	The Future For Biosolutions in the Energy Transition, Cemvita
9:05-9:35am	Panel Main Stage	Navigating the Investment Ecosystem: De-risking SynBio Ventures for Trend-Savvy Investors
9:35-10am	Fireside Chat Main Stage	Ethics, Elixirs, and Enterprises: The Triad of Longevity's Future
10:30-11am	Exhibit Hall	Coffee Break
10:30-11am	Panel Main Stage	Redefining the Bottom Line: Value Creation for Shareholders and the Planet
10:30am-7pm	Hall 1	Exhibit Hall and Poster Sessions Open
11-11:45am	Lightning Talks Main Stage	Presented by Biomatter
		Presented by BioP2P
		Presented by Mayfield
		Presented by Asimov
		Presented by CJ
		Presented by Nourish Ingredients



Time	Location	Description				
11:45am-12:05pm	Fireside Chat Main Stage	Fireside Chat				
12:05-12:10pm	Spotlight Talk Main Stage	Scaling Highly Engineered Strains to Produce Complex Pharmaceuticals, Antheia				
12:15-1:30pm	Various	Conference Lunch (Hall 2)		CEO Luncheon Invite Only (Grand Ballroom)		
12:15-1:30pm	Lunch & Learn	Bioeconomy Scale Up Through Bioprocess Innovation, Black & Veatch	Presented by ZBiotics	Presented by Ansa Bio		
1:45-2:30pm	Breakout Sessions	Breaking Barriers: Synthetic Psychedelics in Education and Community Building	Rubber, Meet Road: Getting Practical (and Realistic) About Biomanufacturing Scale-Up, Procter & Gamble	A Case for Viral and Microbiome Therapeutics in the Era of Generative AI and Large Language Models	Revolutionizing Industrial Biotech: Harnessing the Power of AI for Enhanced Efficiency, Innovation, and Sustainable Solutions	The Arc of Innovation in Generative Protein Design
		Navigating the Biotechnology Regulatory Landscape	BioNet: Creating a Distributed SynBio Ecosystem for Everyone, MITRE	The Role of Biodesign in the Next Gen Synbio	Building Community in Synthetic Biology	Presented by Mayfield



Time	Location	Description
2:45-3:30pm	Breakout Sessions	<p>The Next Generation (Z) of Startup Entrepreneurship</p> <p>Capital Markets - Funding the next frontiers of enabling tools/technology to advance biology</p> <p>Presented by: Imperial College London</p>
		<p>DeSci: Bring Crypto into the Real World</p> <p>Hands On, High-T: Global Launch of End-to-End High-Throughput Process Development Platform, TJX Bioengineering</p> <p>DNA Synthesis and Biosecurity</p> <p>Digital Twins in Biomanufacturing: A New Horizon</p> <p>AI and Bio: Promise and Peril</p>
3:30-4pm	Exhibit Hall	Coffee Break
4:05-4:35pm	Fireside Chat Main Stage	Conscious Convergence: Melding Mycology, Biotech, and the Philosophy of Interconnectedness Paul Stamets & Martine Rothblatt
4:35-5:05pm	Panel Main Stage	Space Exploration Kate Rubins
5:05-5:15pm	Spotlight Talk Main Stage	Heads Up, Scale Up: The Hidden Costs of Outsourcing Bioprocess Development, TJX Bioengineering
5:15-5:25pm	Spotlight Talk Main Stage	Presented by Twist
5:25-5:55pm	Panel Main Stage	Biotech Innovations in Feed and Agriculture for a Brighter Future
6-7pm	Lower Level Concourse	Exhibit Hall Reception
7-8:30pm	Various	Birds of a Feather: Biopharma Food & Agriculture Neurotech Chemicals & Materials Desci Consumer Products SynBio in UK

Day 3

Thurs, May 9, 2024



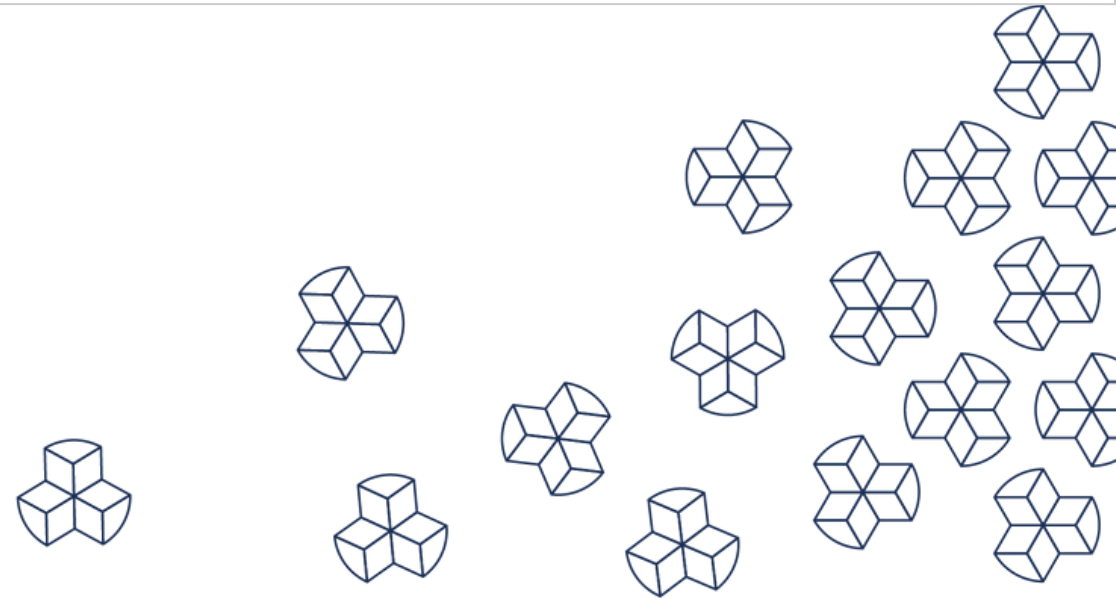
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As of Feb 28, 2024, Subject to Change

Time	Location	Description
6:30-7:30am		Wellness Activity
7-8:15am	Various	Senior Tech Leadership Breakfast Invite Only Y Combinator Breakfast Invite Only
8:30am	Main Stage	Welcome John Cumbers, SynBioBeta
8:35-9:05am	Keynote Main Stage	The Molecular Engines of Metabolism Drew Berry
9:05-9:35am	Panel Main Stage	The Exit Strategy: Acquisition for Consumer Biotech Companies
9:35-9:40am	Spotlight Talk Main Stage	Presented by: Beckman Coulter Life Sciences
10:30am-4pm	Hall 1	Exhibit Hall and Poster Sessions Open
10:30-11am	Exhibit Hall	Coffee Break
10:40-11am	Fireside Chat Main Stage	Fireside Chat
12:15-1:30pm	Various	Conference Lunch (Hall 2) Women's Luncheon Invite Only (Grand Ballroom) Food Tech Luncheon Invite Only (Grand Ballroom)



Time	Location	Description
1:45-2:30pm	Breakout Sessions	<p>Mindful Molecules: Synthesizing New Hope in Psychedelic Therapies</p> <p>Sustainable Harvests, Sustainable Returns: A Panel of Investors Betting on the Future of Food</p> <p>DNA Synthesis and Biosecurity: Toward Standards for DNA Sequence Screening</p> <p>SynBio Solutions: Fast-Tracking Vaccine Development for Global Health</p> <p>Workshop Presented by: On-Chip Biotechnologies</p>
2:45-3:30pm	Breakout Sessions	<p>Energizing the Brain: Emerging Technologies in Neurostimulation</p> <p>Galactic Biotech Frontiers: Merging Space Commerce with Interplanetary Solutions</p> <p>Presented by: SBI - Scientific Bioprocessing</p> <p>Government funding opportunities for bioproduct development</p> <p>Nourishing Life Beyond Earth: Integrating Space Agriculture and Medicine</p>
3:30-4pm	Exhibit Hall	Coffee Break
4:15-4:45pm	Panel Main Stage	Biomanufacturing Breakdown: Lessons Learned from Scale-Up Failures and Successes
4:45-4:55pm	Spotlight Talk Main Stage	Partnering Intelligent Algorithms and Enzymatic DNA Assembly to Accelerate the Future of Synthetic Biology
5:25-5:55pm	Panel Main Stage	Will It Soon Be Possible to Reprogram Aging?

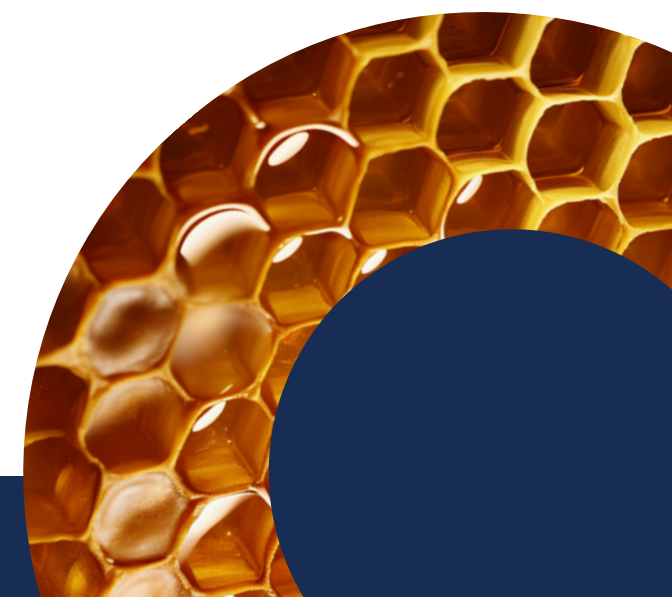


Sponsors & Exhibitors

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Exhibit Hall and Poster Sessions

Tues, May 7: 10:30 am-7 pm
Wed, May 8: 10:30 am-7 pm
Thurs, May 9: 10:30 am-4 pm



Connect with the
biggest and brightest
stars in the SynBio
Industry this May 6-9 in
San Jose

Networking & Partnering



1:1 Partnering App

Open to All
Available early March

Build your schedule, select sessions, and arrange meetings with other attendees with dedicated meeting space for 1:1 conversations.

Evening Receptions

Open to All
Time to Connect & Unwind

New Attendee Reception
Welcome Party
Birds of a Feather
Exhibit Hall Cocktail Hours

Curated Events

Invite Only
Breakfasts & Luncheons

Curated Networking Events for
CEOs, Investors, Marketers,
Women, Students, and CSOs