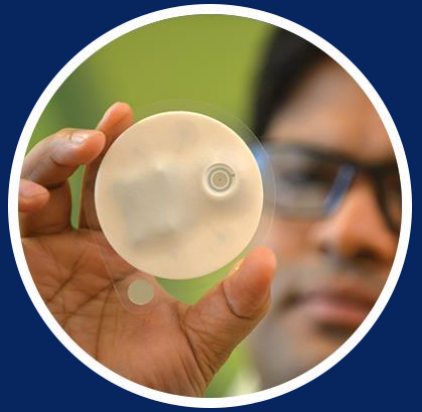
Breakout Labs

An experiment in philanthropic support of scientific innovation

Inspiration

Scientific Progress

Corporate Demand



Entrepreneurship

Inspiration: Building on science

Scientific Progress

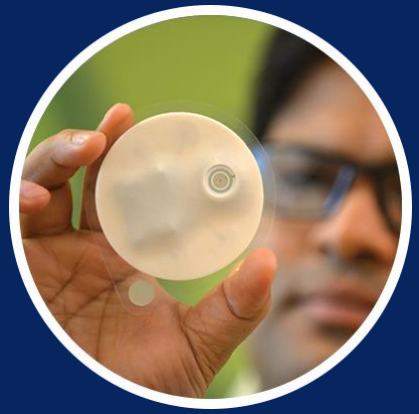
- Deeper insights: genomics, microbiome, neuroscience, nanotechnology
- Better engineering: microfluidics, photonics, 3D printing

Inspiration: Filling pipelines

Corporate Demand

- R&D investment retreating
- Corporate innovation scouts on the prowl
- Limited academic translation with misaligned incentives

Inspiration: Leveraging the zeitgeist



Entrepreneurship

- New generation of scientist-entrepreneurs
- University support for entrepreneurship
- Minimal infrastructure required: Outsourcing, internet-enabled marketplaces, shared workspaces

Execution

Atoms, not just bits

Money

Community

Execution: what we look for

Atoms, not just bits

- Deep tech; Frontier tech
- Fundamental scientific advance
- Platform technology
- Dedicated scientist-entrepreneurs
- Commercial hypothesis

Execution: how we fund

Money

- Expenditure responsibility grant to for-profit entity
- Peer Review meets Investor Diligence
- Grant is exchanged for equity at qualified financing

Execution: what we give

Community

- Board observer role
- Network of investors and corporate relationships
- Resources
- National peer group
- Events

Evaluation

Portfolio Progress

Program Value

Challenges

Evaluation: how we've done

Portfolio Progress

- 42 companies funded since 2012 ($15M)
- 12:10:10:10
- Total additional investment: $300M

Evaluation: what helps

Program Value

- Program 7X more important than money
- Corporate engagement
- Platform/market fit

Evaluation: what is still needed

Challenges

- Fundraising
- Team building
- Scaling
- Systematic corporate engagement

Evolution

More!

$500K

Breakout Ventures

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