

Developing and Growing University Based Startups

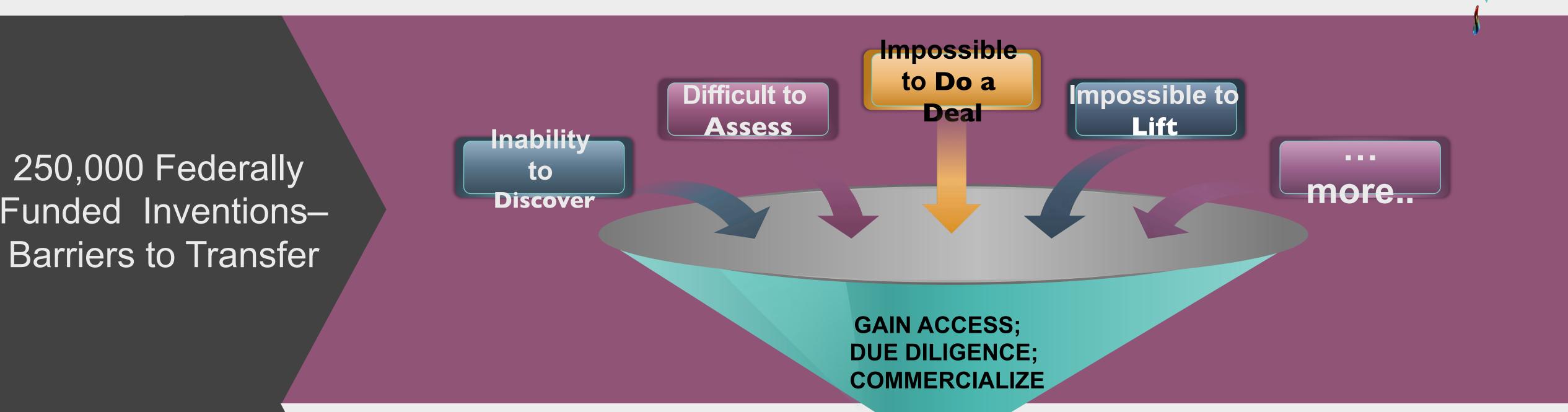
September 7, 2017 Rosemarie Truman, Founder and CEO

Contents



- Opportunity
- Introduction
- Track Record
- Keys to Creating Great University Based Startups
- Fund Financials and Expected Returns
- Key Team Members

WHY? Opportunity: \$1.5 Trillion



Commercializing Promising 1%

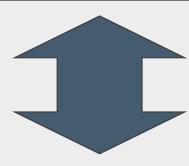
THE CENTER FOR ADVANCING INNOVATION, AKA

- "Tinder for Startups," Nature
- "Shark tank on Steroids," BIO
 - "Kickstarter for IP," WIRED

Center for Advancing Innovation Secret Sauce

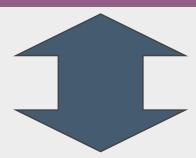


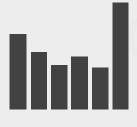
Due Diligence – Corporate Partner Product-Market Fit





License & Lift Inventions





ommercialize with Corporate Partner
Operators & Management Talent

Overview





Team of 20. Leader 25+ yrs of experience. Evaluated 200K+ inventions; results: \$210B profit



Key Assets: Due diligence trade secrets Award-winning Startup Catalyst & Accelerator



Established: 80+ partnerships; 170K+ inventions; First of a kind venture philanthropy



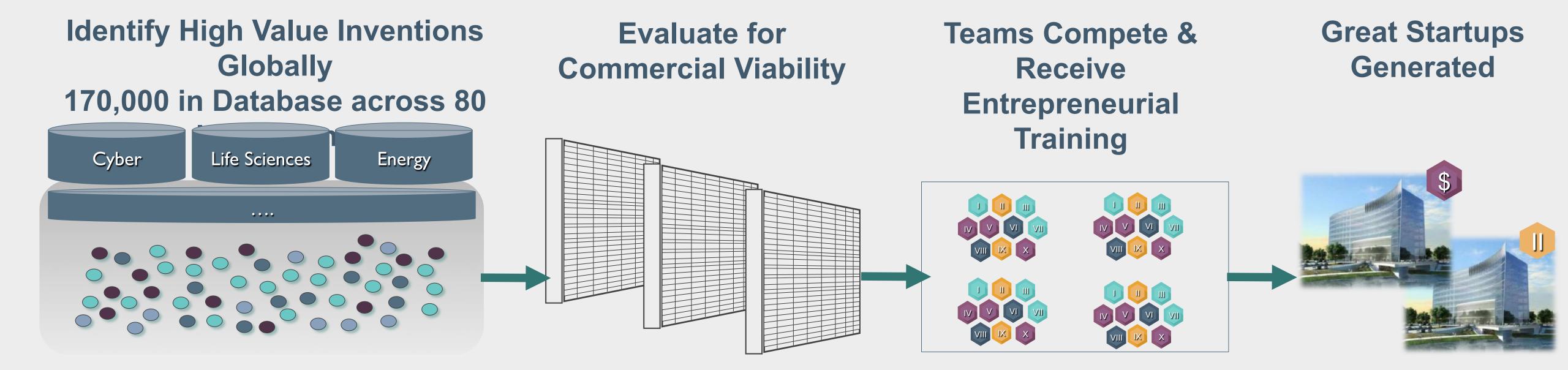
RESULTS: Launched 80 companies; 2000+ jobs
Unprecedented media attention/ recognition;



Numerous Prestigious Awards HHS, FLC, GAO Challenge.gov

HOW? Start with the Inventions





Track Record



2015-2016
15 companies
Ex., Joele

Space Race Startup Challenge



Freedom from Cancer Startup Challenge

2014-2015 22 companies Ex, Angio 360 Neuro Startup Challenge





Nano Startup Challenge

2015-2016 15 companies Ex, OneTest



Breast Cancer Startup Challenge

2013-2014
11 companies
Ex, Oncolinx

Current: Launching 100 Cancer Startups



120,00 Patented

Cancer Inventions

100 Inventions –
Product – Market
Fit Assessment

1,000 Teams
Competition

I00 Breakthrough
Cancer Startups—
72% Drugs
- 28% Devices

KEY ADVISORS



David Berman
Head of Oncology,
MedImmune



Elaine Jones
Executive Director,
Pfizer Ventures



Henry Skinner
Managing Director,
Novartis Ventures



Esther DysonSuper Angel,
StartUp Health

KEY PARTNERS















What's Next?





80 Startups so Far



CHALLENGE.GOV

BEST in Business Plan and Entrepreneurship

WHITE HOUSE

#1 Accelerator Program #6 out of 10 in Entrepreneurship #36 out of 100 in IMPACT

HEALTH AND HUMAN SERVICES

"Secretary's Pick" Innovation Award

FEDERAL LAB CONSORTIUM

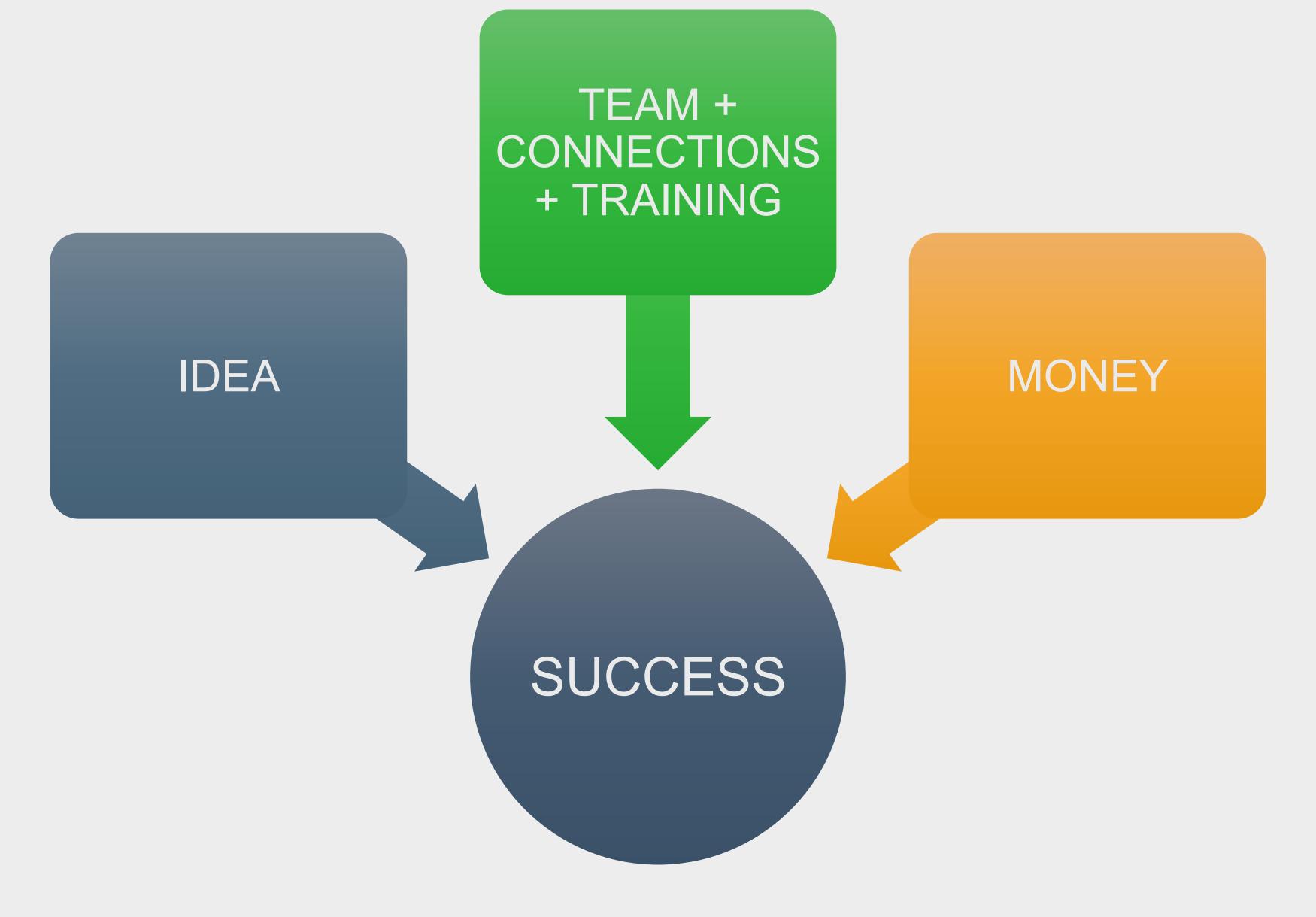
Technology Transfer Excellence Award

GOVERNMENT ACCOUNTABILITY OFFICE

Best in Innovative Commercialization Models

Critical Success Factors?





IDEAS #1



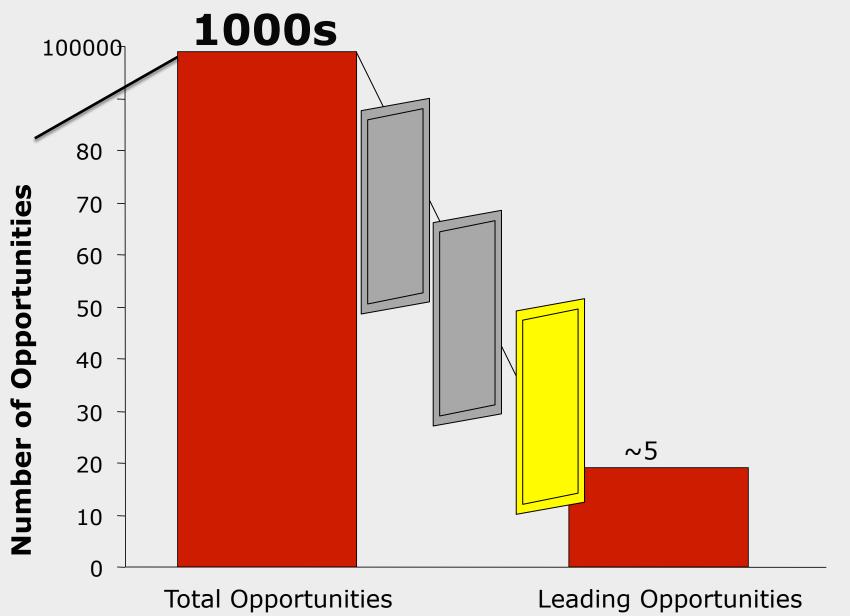
- 250,000 INVENTIONS
- CHARACTERISTICS:
 - \$50+ MILLION;
 - FDA APPROVED;
 - DEPLOYED AT SCALE
- RESULTS: \$1.5 TRILLION + EXPONENTIAL SOCIAL IMPACT

IP - FIND & Select



...However, More is Required: Due Diligence, Capital Efficiency, Match to Region

Tops-Down and Bottoms-Up Analysis to Identify Key Opportunities



Applying Filter to ABC Co Opportunities

Ability to Attract Funding

- Ability to Attract Collaborators
- Ability to Attract Adequate Funding
- Total Amount of Commercial Funding Ever Provided
- In-Licensing Opportunity (not included in analysis)

Ability to Execute – Feasibility - Match to Region

- Current vs. Required Capabilities
- Strength of current position vs. competitors
- Access to patients / customers
- Barriers to Entry
- Risk

Partial View of Parameters in 8 Categories

Market Attractiveness

- Upfront Investment Required/Capital Efficiency
- Addressable Market Size/Growth Rate
- Total Potential Revenue
- Profitability
- Market Sustainability

Scientific Attractiveness

- Novelty
- Efficacy and Efficiency
- Safety
- Standard of Care
- Medical / Scientific Competitive Advantage

Prepared for Prepared for Medical Center of Americas Foundation - Confidential & Proprietary – Gazelle Innovation Ventures LLC - Do Not Distribute

IP - Not that FAST!

Business Arrangements with NIH

National Institutes of Health

A PARTNERSHIP INTERMEDIARY AGREEMENT

BETWEEN

UNITED STATES DEPARTMENT HEALTH AND HUMAN SERVICES

NATIONAL INSTITUTES OF HEALTH
OFFICE OF TECHNOLOGY TRANSFER &
THE NATIONAL HEART, LUNG, AND BLOOD INSTITUTE
OFFICE OF TECHNOLOGY TRANSFER AND DEVELOPMENT &
THE NATIONAL INSTITUTE OF ARTHRITIS AND
MUSCULOSKELETAL AND SKIN DISEASES &
THE NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH
SCIENCES &

THE NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS & THE NATIONAL INSTITUTE OF BIOMEDICAL IMAGING AND BIOENGINEERING & THE NATIONAL INSTITUTE OF NURSING RESEARCH

AND

THE CENTER FOR ADVANCING INNOVATION, INC.

Arrangement Characteristics

- 15 Partnership Intermediary Agreements available only to public-private partnerships
- 3 Collaboration agreements to run startup challenges
- Part of Technology Review Group to evaluate inventions not publically available
- Relationship strong due to Health and Human Services Secretary's Pick Innovation Award, Federal Laboratory Consortium Technology Transfer Excellence Award, White House attention as well as media attention
- Exclusive licensing between NIH and Startup through NIH Startup Exclusive License Agreements

Team Composition - #2

Recruiting Multi-Disciplinary Teams



- Over 18 years old
- At least three students on the team

Other Key Notes on Who May Participate

Students:

- Graduate and undergraduate students
- Post-docs as well as those in residency

Anyone else beyond the three mandatory students

Match skill sets of mentors to invention and team gaps; possible additional team members include:

- Business Development Leaders from Large Companies
- Key Opinion Leaders
- FDA/Regulatory
- Venture Capitalists
- Clinical Research Outsourcer (CRO)





Recruiting Multi-Disciplinary Teams

 Multi-disciplinary teams will include: core technology skills (e.g., engineering and/or medical/scientific that matches to the technology R&D requirements), legal, business, serial entrepreneur

Create Stakeholder Engagement Plan

- Universities
- Hospitals
- Local Businesses
- Potential Investors/ Funders
- Lead Coaches

Form Collaboration Agreements

Appoint point
 persons within the
 collaboration
 agreements for
 Universities,
 Hospitals and VCs
 to assist in
 forming multi disciplinary teams

Get Local Champions

- Mentors
- Advisors
- •"Lead Coach" / CEO across multiple teams

Perform Roadshow at Universities and Hospitals

- Actively form teams after roadshows
- Coordinate with leads from Universities and Hospitals as well as economic development

Actively Form Teams in Letter of Intent Phase

- Teams populate a letter of intent form and provide resumes of their team
- Team is scored and either accepted or CAI will work with team to flesh out

Advisors



Desiree Younge

- VP, Programs, Tory Burch Foundation
- Leader in Women Entrepreneurship



Joanne Wilson

- Super Angel
- Co-Founder Womens Entrepreneur Festival
- Investment focus on 6
 women entrepreneurs



Anne Hubert

- Viacom Executive,
 Scratch Founder
- Venture for America Board



Cassandra Kelly

- Strategy consulting, disruptive innovation
- Fintech Investor
- Fund manager



Anna Mason

- Revolution, Director of Investments
- Vinetta Project



Esther Dyson

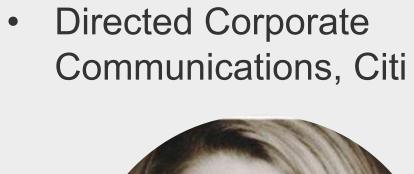
- EDventure, Super Angel
- Investor in health care, government, and space
- CAI Technology Revie



Jay Samit

- Digital media disruptor Disrupt You!
- Deloitte Digital







Lisa Caputo

- EVP, CMO, Travelers
- EVP, CMO, Citi, Women &
 Co



Karen Kerrigan

- SBE Council
- World Entrepreneurship Forum
- Womens' leadership



40 Entrepreneurship Training Classes and Q&A with Mentors

Training Sessions Listed Below

Topic	Phase
Program Management and Team Work	Ph I
High Level business plan development	Ph I
How to Create an Elevator Speech	Ph I
How to Create an Executive Summary	Ph I
Developing an IP Strategy	Ph II
Licensing	Ph II
Product Description	Ph II
Risk Assessment	Ph II
Stakeholder Assessment	Ph II
Regulatory Strategy	Ph II
IP Strategy	Ph II
Commercialization Planning	Ph II

Topic	Phase
Competitive Analysis	Ph II
Financing/Fund Raising/Investment	Ph II
Negotiation	Ph II
Financial Modeling:	Ph II
1. Valuation	Ph II
2 P&L – cost	Ph II
3 P&L - revenue	Ph II
4 Equity models	Ph II
R&D Planning	Ph II
Live Pitch	Ph II
Voice of the Customer	Ph II
Structuring a company	Ph III
Employment issues	Ph III
Fundraising	Ph III

Critical Success Factor #3 — Money!!



Financial:

- Buying Beta but Receiving Alpha Lowest Cost/% Ownership
- Highly Selective Basket of Assets with Multi-billion Payouts, e.g., 100 cancer startups

Social:

- Allowing Philanthropic Effort to Result in Furtherance of Legacy
- Company Level Transparency Opportunity for Targeted Impact Investments

Metrics from \$20MM Fund

(90% Failure Rate)

Financial Impact

20 Companies Proven, award winning accelerator matches inventions to region's strengths & significantly increases new startups

\$104M Investor Returns Limited Partners that invest \$11.5MM are positioned to realize strong exit return multiples over the 10 yr life

\$76M Endowment MCA returns based on investment of \$8.5MM based on 5X return

56%+ Fund IRR Securing the majority of equity at the early stage captures all value creation, resulting in strong for all investors

Social Impact

2500 Trained Over 500+ people per year x 5 years receive advanced STEM training during the 12 month accelerator process

82% Employment Challenge graduates have attractive entrepreneurial skills that lead to high job placement success in market

18K
Total Jobs

Growing Life Science oriented startups creates a large multiplier effect, leading to job growth throughout the local ecosystem

\$600M GDP Impact Even with highly conservative assumption of 90% failure failure rate, startups jobs generate a large commerce impact in area

Example Startup Successes



Targeted Cancer Therapies	Batten's Disease Therapy	Cancer Diagnostic
ONCOLINX	Circumvent Phanna	ANGIO360 Diagnostics LLC
Breast Cancer Startup Challenge Winner	Neuro Startup Challenge Winner	Neuro Startup Challenge Winner
\$35MM Valuation In Boston, MA & Buffalo, NY	\$5MM Valuation In Los Angeles, CA	\$20MM Valuation In Milwaukee, WI
	 Finalist Received orphan drug indication Expertise in medicine, toxicology (INDS), regulatory affairs Recruited VP, Merck Veteran 	 "Best Pitch", Healthcare Innovation Top 6 "Startups to Watch" Finalist, Wisconsin Governor's Competition; WI Innovation Award Non-dilutive financing raised PoC: Human (Completed) First sale in 2017

Investment Strategy

Unlike typical minority interest angel funding, Gazelle's early stage investments in companies formed from exclusive low cost license of high impact, capital efficient de-risked IP portfolio secures meaningful equity for outsized exit returns



Capital efficient investments selected that can deploy to market within 3-4 yrs



Secures majority controlling equity position & maintains through future dilutive rounds



Capital reserved for follow-on A Round for accelerating top breakout winners



Select best IP from Large Database (currently 170,000)

Source Seasoned Management, Teams and Mentors

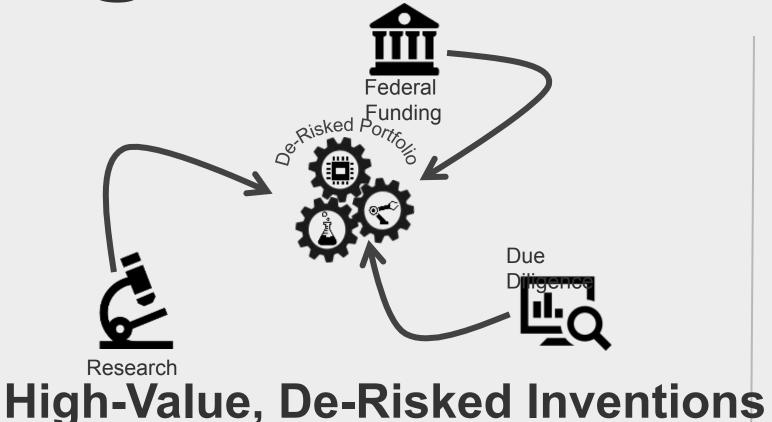
Orchestrate Award Winning Challenge & Accelerator

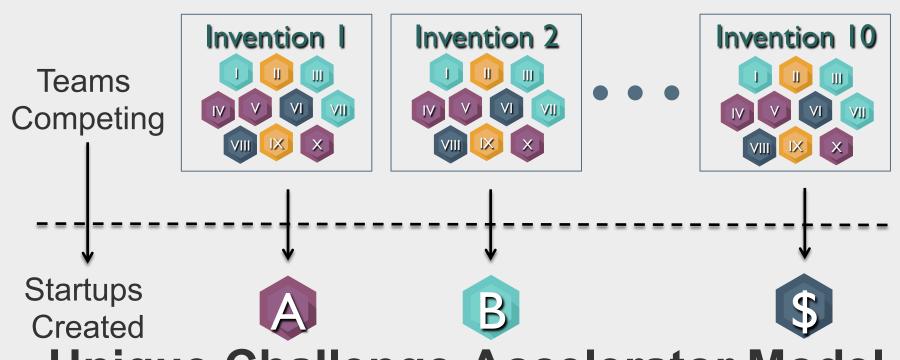
Meaningfully Invest \$1MM in Structured Seed;

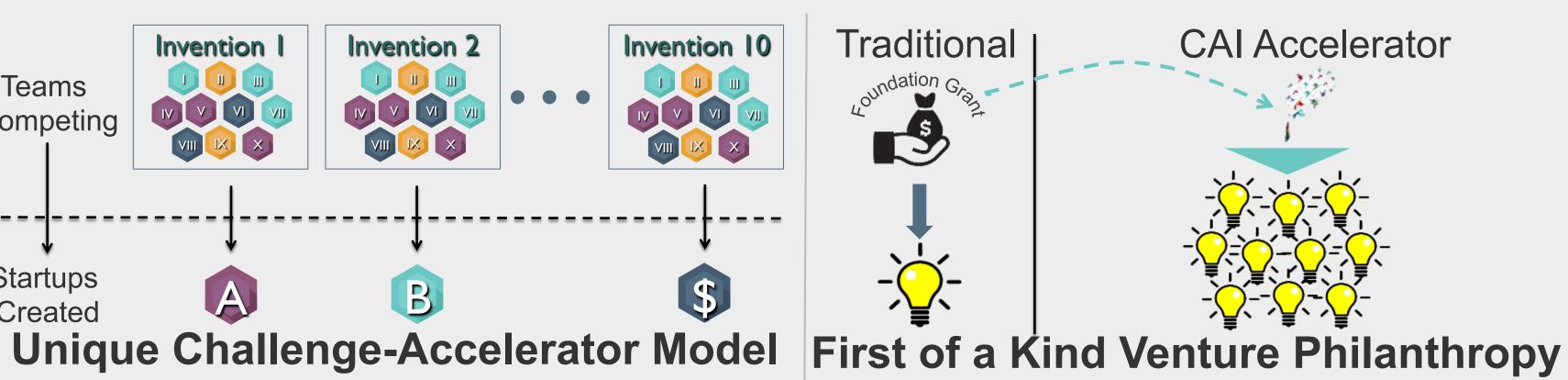
Receive Majority Equity

Mentor and Govern Startups – Pivot, Enhance Team, etc.

Ingredients to Create BAD ASS Startups



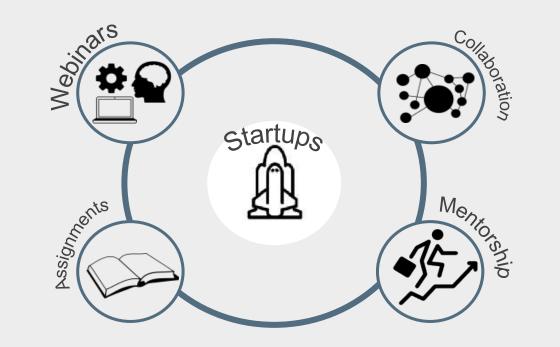




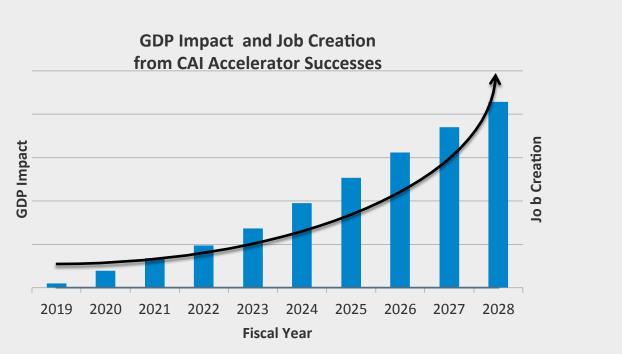


World Class Mentor Reach

Skilled Startup Teams



Rigorous Training Ecosystem



Social and Economic Impact

The CAI Team





Rosemarie Truman
Founder and CEO

Former: Global Head of Innovation Strategy, IBM



Reg Seeto

Board
Member
COO at
AstraZeneca Ardelyx, Inc.



Nick Donofrio

Board Chairman EVP IBM, 45 Years His Brain Child is Watson

CORE TEAM



Jonathan Lui

CVO

Chief Ventures Officer



Cody Locke

CIO

Chief Innovation Officer



Jenna Baker

CBO

Chief
Business
Developme
nt Officer



Sam Bahreini

CXO

Chief Experience Officer



Entrepreneur In Residence



Contact

Gazelle Futures, LLC

Rosemarie H. Truman | Founder and CEO

Sourav Sinha | Entrepreneur-in-Residence



Accelerator Training Model - Deep Dive

40+ Webinars on Business of STEM

- Given by industry experts
- Topics include: Incorporation, R&D Planning, Business Development, Financial Modeling etc.
- Eg. Venture Collaborations w/ Scott Weiner, Partner, Pappas Ventures

Training for Next Generation of STEM

Collaboration across the ecosystem

- Participants work together to form teams and gather experts
- Establish new connections
- Expand entrepreneurial network
- Create a Dream Team for the startups

12+ Assignments

- Development training for business documents
- Guidance provided along with templates, training, and feedback
- Eg. Financial model, Pitch deck,
 Stakeholder engagement, VoC

CAI Mentors

- Mentors are seated in every team to provide close mentorship
- CAI augment expertise depending on startup needs
- Mentors provide one-on-one guidance on success measures