

Week 2 June 9, 2021



Course Schedule

\	Veek	Date	Course Title	Presenters
	1	June 2	Entrepreneurship 101 – What It Takes To Commercialize Your Tech	Felix Litvinsky, Abakama Nicholas Querques, SUNY RF
	2	June 9	Lean LaunchPad Basics – What Is Customer Discovery All About?	Olga Petrova & Tony Frontera, Binghamton University
	3	June 16	Evaluation of the Opportunity – Patentability and Marketability Basics	Tanya Waite, Steven Wood, Garrett Smith & Michael Krenicky, SUNY RF
	4	June 23	How To Win Grants – Mastering Non-Dilutive Funding Sources	Kirk Macolini, InteliSpark
	5	June 30	Grant Budget Basics – Managing Your Award Like A Pro	Jaron Kuppers, Amala Consulting
	6	July 7	Forming and Structuring Your Company Like A Boss	Rich Honen, Phillips Lytle
	7	July 14	Selling and Telling Your Story	Sue Hayes, Labsim
	8	July 21	Commercialization 101 - Positioning Your Go-To- Market Strategy	Doug Buerkle, LTM Ventures Mark Sperry, Sperry Energy
	9	July 28	Follow-On Capital Sources – What Early-Stage Investors Want	David Cruikshank, ARCH Venture Partners
	10	August 2-6	1:1 Meetings With SUNY Venture Advisors	
	11	August 11	Demo Day and Graduation	

Instructional Webinars

- 1. All webinars are 10:30-12:00 PM ET Wednesdays June 2-July 28
- 2. Calendar invites with Zoom info for all instructional webinars through July 28th sent Tues 6/8. Please let us know if you did not get it.
- 3. Recordings and presentations will be shared after each class, but we highly encourage you to attend live to take advantage of the full experience.
- 4. At the end of each live session, please answer a 1 question **Zoom poll** about this week's topic. Your feedback helps us improve the program.



Course Schedule

- 1. August 2-6: **30-minute dry run** of your pitch. More info on scheduling in the upcoming weeks.
- 2. August 11 <u>3-5 PM Demo Day</u>: S4 culminates with a Demo Day celebration and graduation where participants pitch their technology or venture for one or more \$10k Technology Accelerator Fund Catalyst Investments.
- 3. In partnership with the <u>Binghamton I-Corps Site</u>, we will be offering up to 25 slots in the National Science Foundation I-Corps Regional Course to S4 participants only.



Join LinkedIn

We will have some activities that will help you meet your classmates. We will give out participation points for the below items.

- 1. Join the SUNY Innovation and Entrepreneurship Network LinkedIn Group (link included in this week's follow up email)
- 2. Comment on the "Welcome to the S4 class of 2021" post in this LinkedIn group to introduce yourself. Recommendations on what to include: campus affiliation, what you are working on, what you hope to get out of S4 and a fun fact about yourself.
- 3. Reply to a classmate's post to 'meet' them!



Leaderboard By Campus





Questions about S4?





Email us at S4@rfsuny.org

Let's jump into our next topic!





Discover Customer Discovery



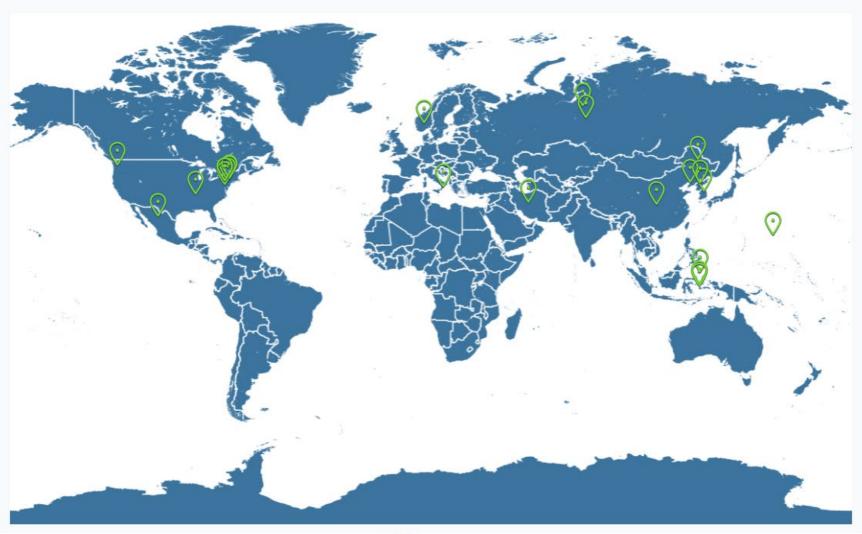






What technology are you working on?

Where were you born?





Antonio (Tony) Frontera

Professor, School of Management, Binghamton University

Entrepreneur in Residence, Cornell University; Center for Regional Economic Advancement; Southern Tier Startup Alliance

Program Director- NSF Innovation Binghamton I-Corps Site

















Olga Petrova

Assistant Director, Office of Entrepreneurship and Innovation Partnerships, *Binghamton University*Director, *Binghamton XCEED Cleantech Accelerator*Site Director, *Innovation Binghamton I-Corps Site*













From 1996 to 2017, up to...

U.S. gross industrial output



\$865 billion

U.S. gross domestic product



jobs supported

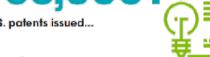




inventions disclosed...

490,000+ 108,000+

U.S. patents issued...



to research institutions since 1996

14,000+ start ups formed



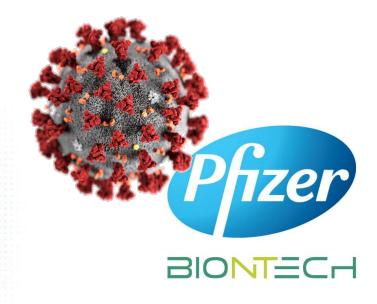
of university licenses are to start-ups and small companies



drugs and vaccines developed through public-private partnerships since Bayh-Dole Act enacted in 1980













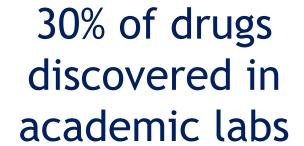








GENERAL HOSPITAL









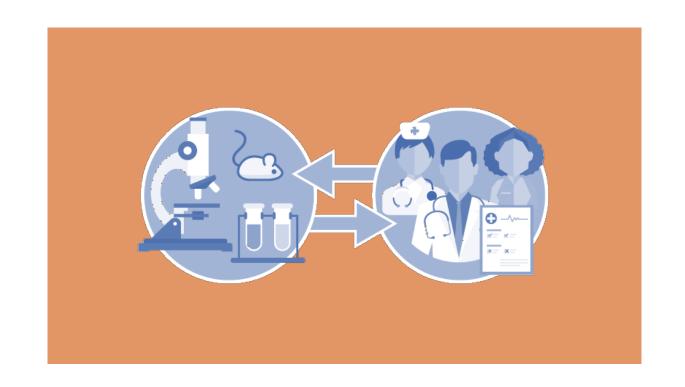








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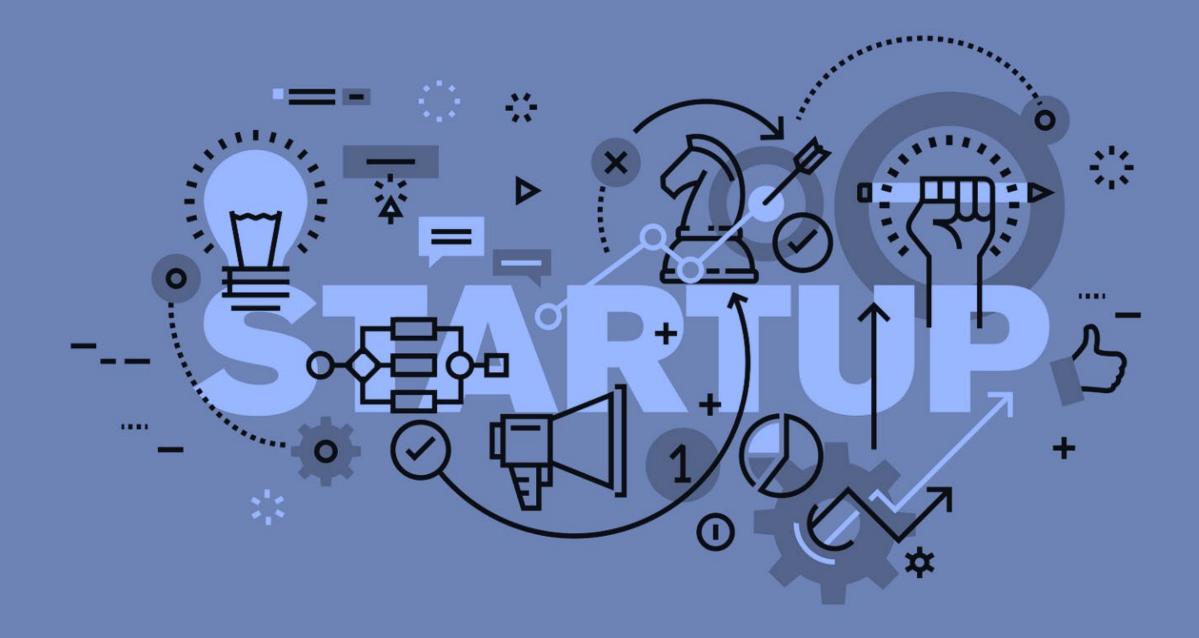




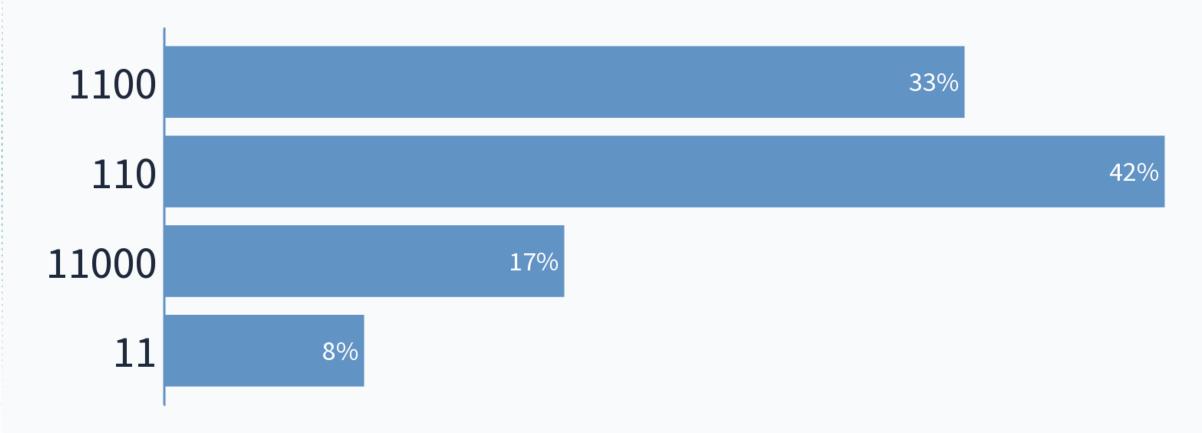




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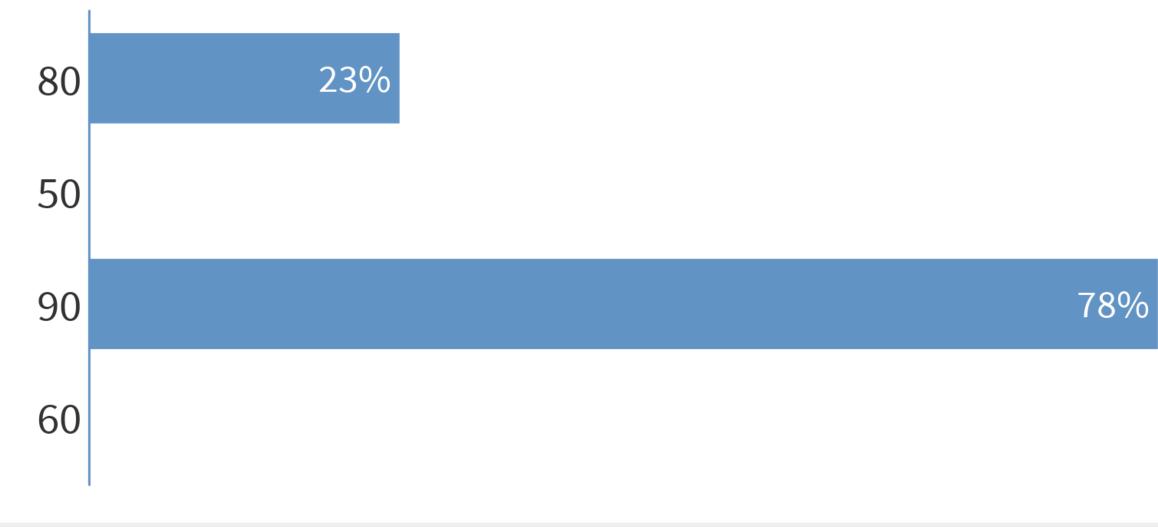


How many startups are formed every hour?





What percent of startups fail?

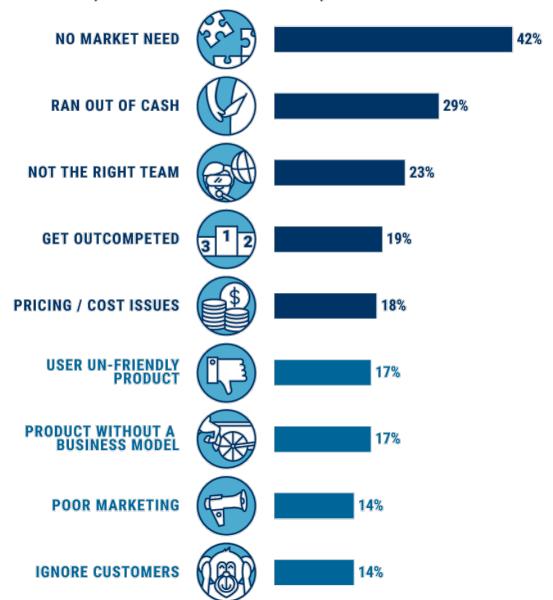




Why do most startups fail?

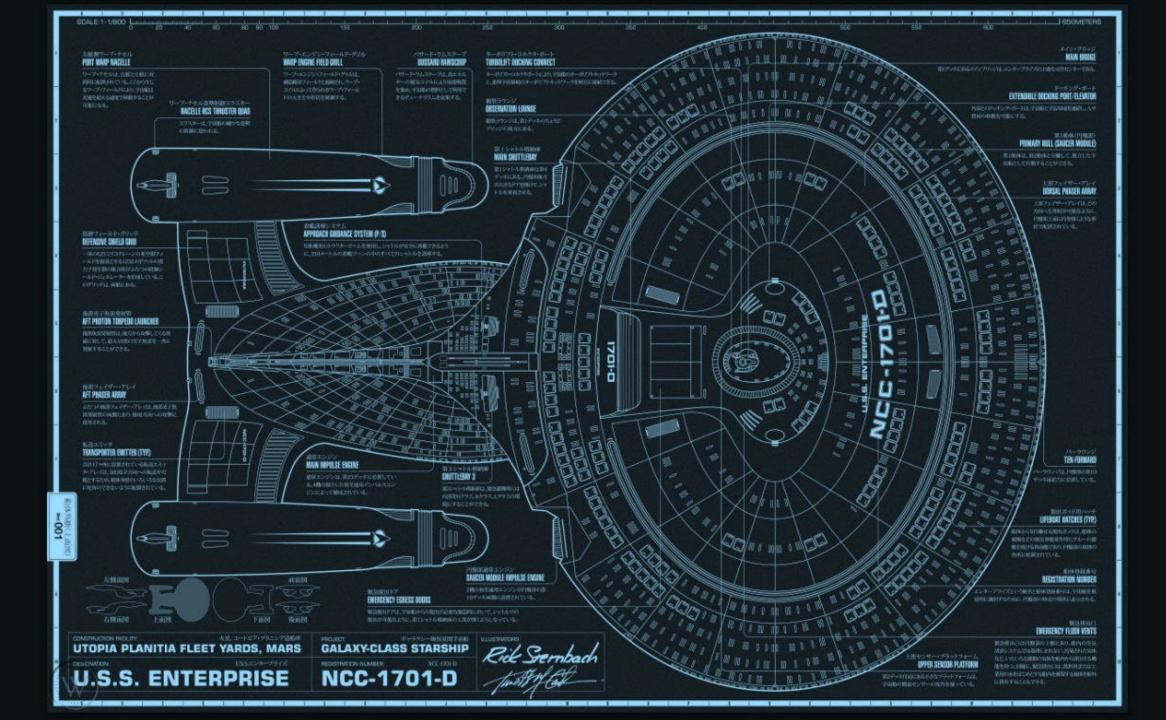


Top 20 Reasons Startups Fail





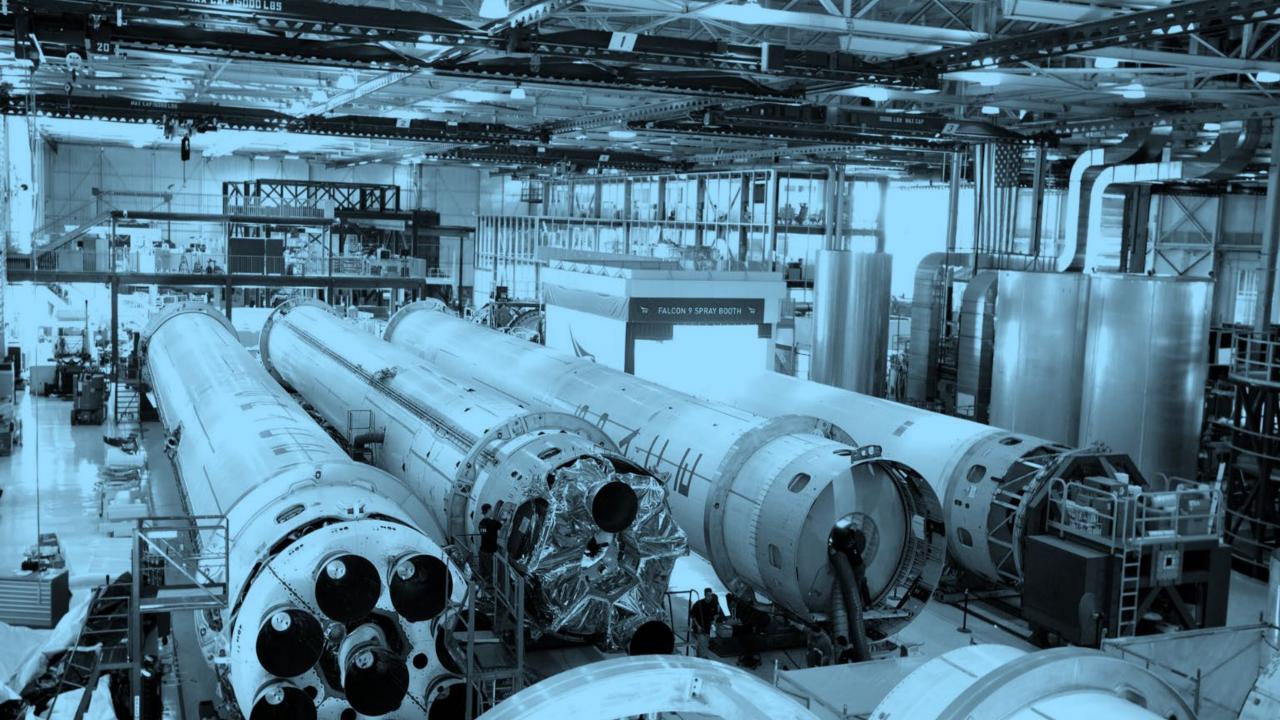












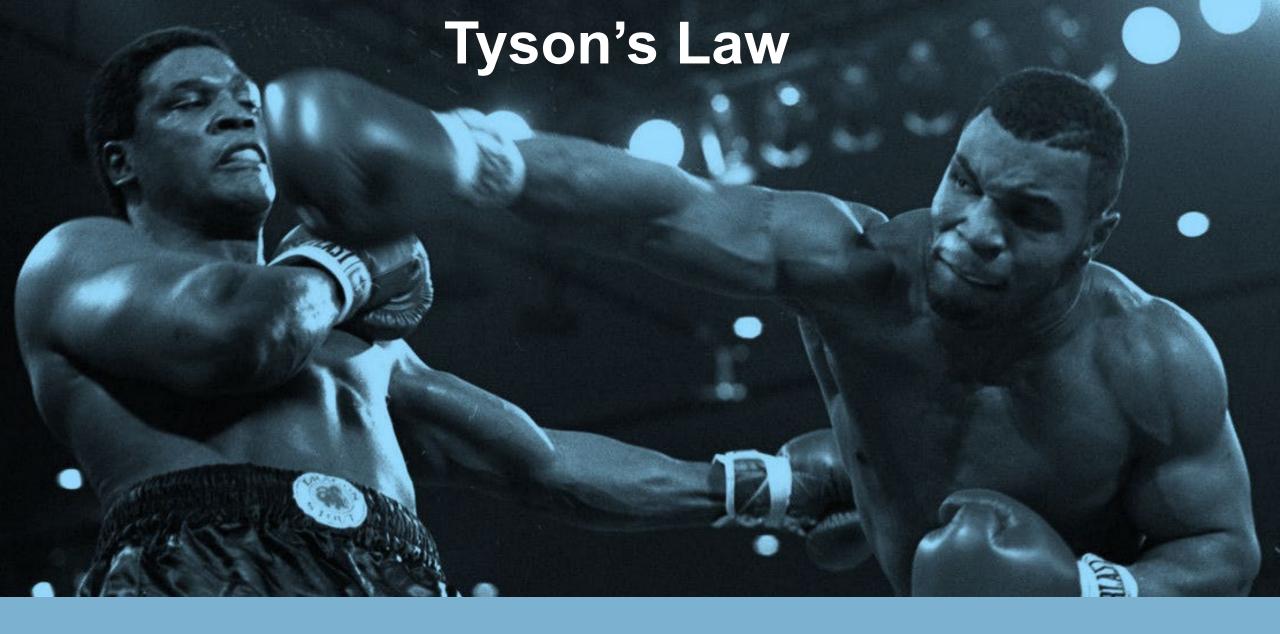












Everyone has a plan until they get punched in the mouth

No business plan survives first contact with a customer





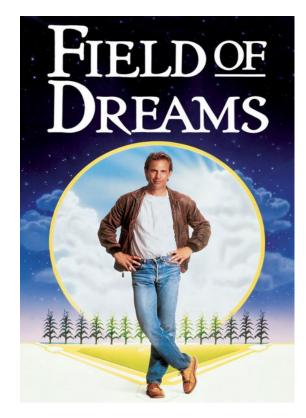






Too many entrepreneurs operate on faith-based entrepreneurship







DON'T FIND CUSTOMERS FOR YOUR PRODUCT. FIND PRODUCTS FOR YOUR CUSTOMERS. - SETH GODIN

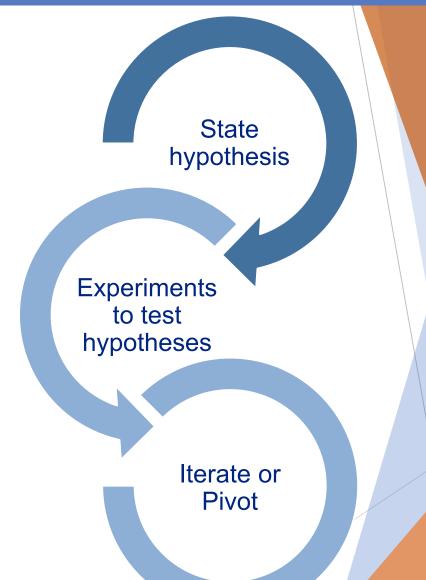


Customer Discovery



Customer Discovery and the Scientific Method







- Webvan founded in 1996
- Raised \$396MM from VC's Used funds to focus on tech development and rapid growth.
- IPO raised \$375MM in 1999 valuing the company at \$4.8B.
- Cumulative revenue- \$395,000
- Cumulative net loss- \$50MM



- In 2001 lost \$800MM
- Filed for bankruptcy in 2001
 - What can we learn from webvan?
- Did not test hypothesis
- Did not find product-market fit

Tried to scale before developing a scalable repeatable

business model



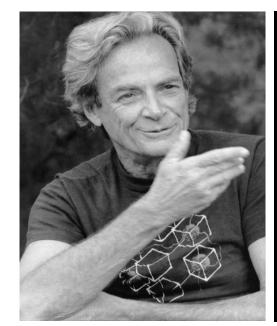
By Mark Coggins from San Francisco - chap09, CC BY 2.0, https://commons.wikimedia.org/w/index.php?curid=5533209



Confirmation Bias

The first principle is that you must not fool yourself, and you are the easiest person to fool.

Richard Feynman







Test assumptions about your Business Model



Test assumptions about your Customers



Test assumptions about your Customer's Problems













Where to start???



National Science Foundation Innovation Corps





National Science Foundation Innovation Corps

Launched in 2011

Steve Blank and the Lean Launchpad

Scientific method and Customer Discovery

Propose and test business hypotheses

Talk with prospective customers, partners, and key industry stakeholders

Use interviews analyze product-market fit



National Science Foundation Innovation Corps



NSF I-Corps: Regional Course





Three weeks

Six 2-hour virtual sessions with office hours

*Conduct 20 customer discovery interviews

\$3000 funding upon completion for customer discovery of prototyping



NSF I-Corps Teams: National Program

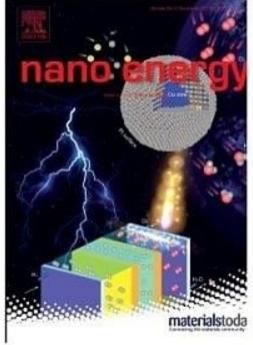


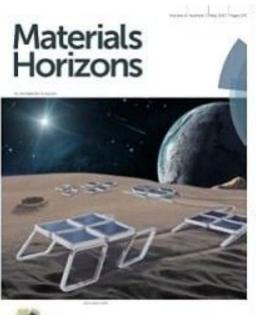
Intensive 7-week national cohort for top teams from across the US

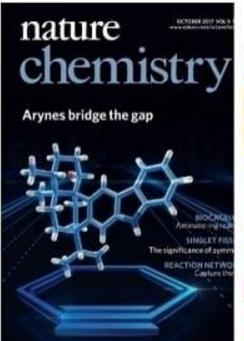
\$50,000 to do 100+ customer discovery interviews anywhere you need to go

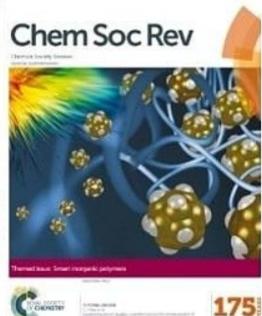
Personalized instruction and team mentoring from successful entrepreneurs

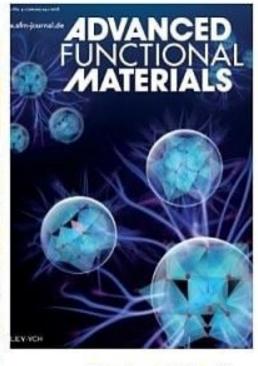


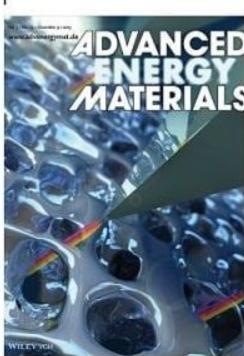






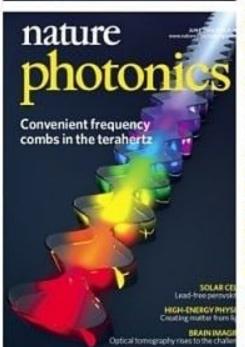


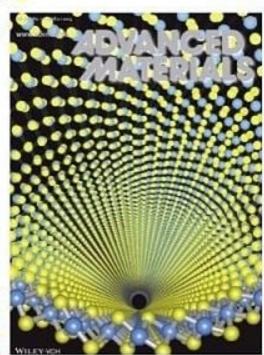


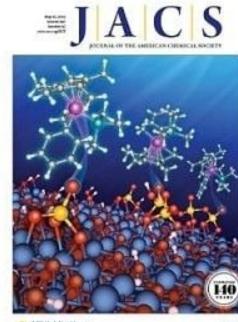




ACS Publications





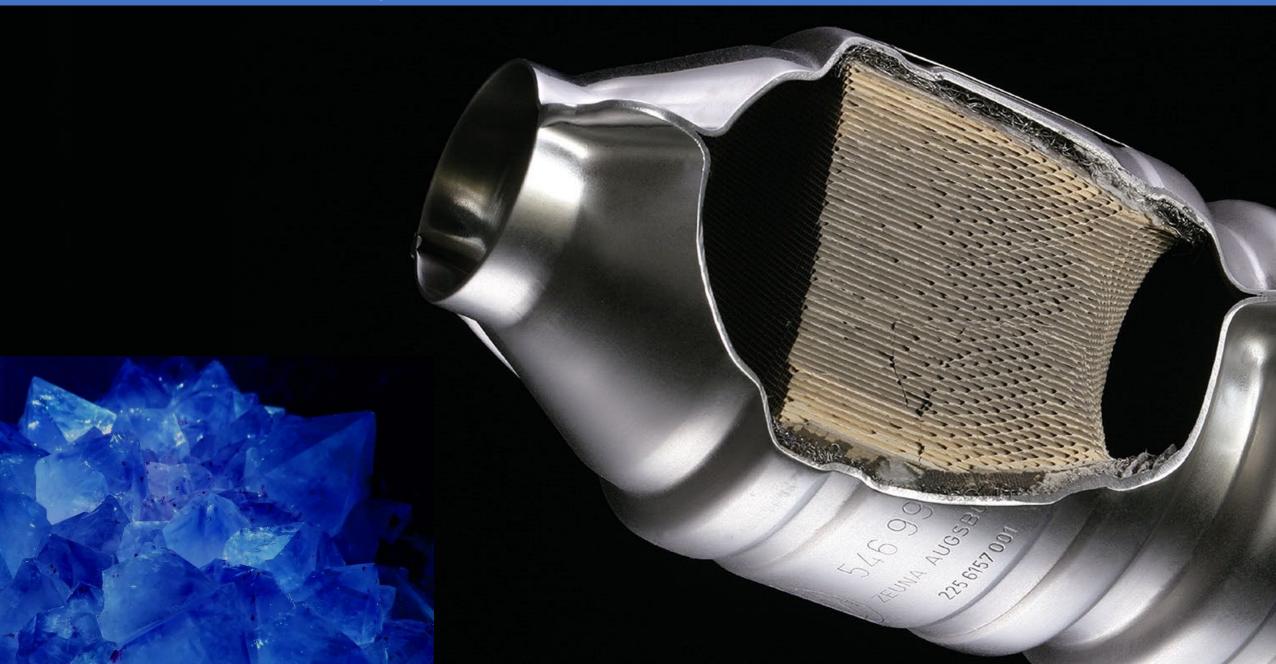




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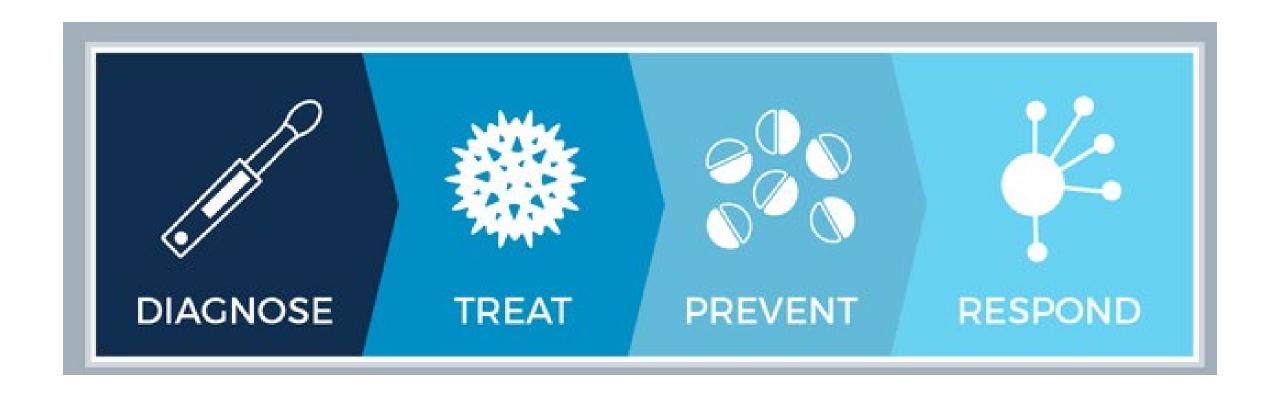






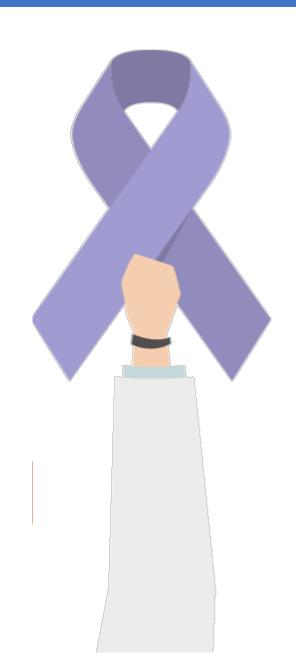




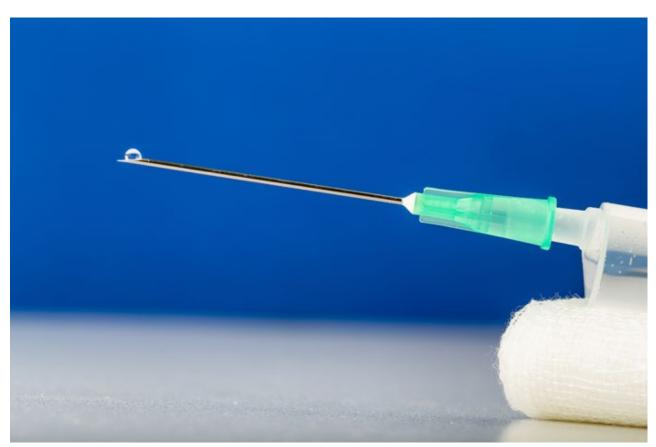




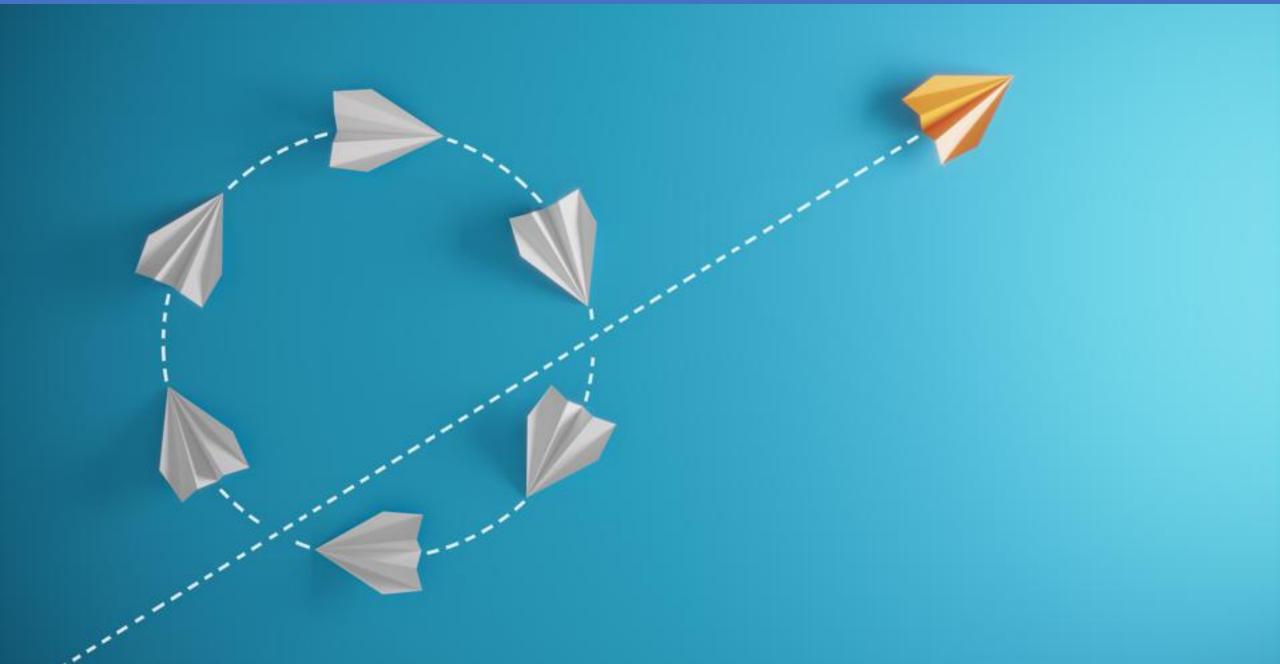








The more you know, the broader the impact



Chances of getting Phase I SBIR award increase from 10-20% to 40-50%



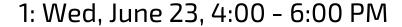


S4 Regional Course









2: Thurs, June 24, 4:00 - 6:00 PM

3: Fri, June 25, 4:00 - 6:00 PM

*Office Hours: June 28 - July 7

4: Thurs, July 8, 4:00 - 6:00 PM

*Office Hours: July 9-14

5: Thurs, July 15, 4:00 - 6:00 PM

*Office Hours: July 16-21

6: Thurs, July 22, 4:00 - 6:00 PM

https://forms.gle/yGoPfwZkvNuJ4hKWA

Successful Completion qualifies teams for:

\$3,000 mini-grant

Application to National Program (\$50,000)



Thank you!

- Please answer the Zoom poll question.
- Recording will be sent tomorrow.
- Don't forget to connect with us on LinkedIn.
- See you next week for

Week 3: June 16

Evaluation of the Opportunity – Patentability and Marketability Basics

Tanya Waite, Steven Wood, Garrett Smith, Michael Krenicky from SUNY Research Foundation

