



**BPEP Mission:** To foster entrepreneurship in the UC Berkeley postdoctoral and scientific community in order to move innovations from the laboratory to the marketplace.

#### Goals

- Provide an entrepreneurship toolkit for postdocs (and others) through on-campus workshops
- Collaborate with business leaders for mentoring
- Assist building (bio-)technology start-up companies
- Connect technology know-how with business skills



## **BPEP Team**



Naresh Sunkara School of Public Health



**Justin Elstrott**Molecular and
Cellular Biology



Niranjana Nagarajan Molecular and Cellular Biology







**Bahram Bahrami**Life Sciences Division
- LBNL



# Special thanks to...

- Vice Chancellor for Research, Graham Fleming
- Director of VSPA, Sam Castañeda (food!)
- Douglas Crawford of QB3 (drinks!)
- QB3, LBNL and Lester Center for Entrepreneurship for collaborations.

# Skydeck: 1<sup>st</sup> Class Workspace



- Great meeting and event space
- Hot desks for flexible arrangements
- Startup community

# Mentoring + Process Is The Key

- Office hours on funding, legal, marketing, operations, ...
- Top entrepreneurs, executives, and VCs from the UC Berkeley Community
- Richard Chen, Justin Yoshimura, Jed Katz,
   Noah Doyle, ....



## Flow.caltech.edu



First prize: \$100,000

Statement of intent due: November 16, 2012

For more info: <a href="www.flow.caltech.edu">www.flow.caltech.edu</a> tom\_spooner@mba.berkeley.edu



## Cal Venture Fund

- UC Berkeley's first student-run venture fund
  - Help us build our pipeline!
  - Join our teams to compete in VCIC

- Contact Mediha Abdulhay
  - mediha\_abdulhay@mba.berkeley.edu

### Claremont Creek Ventures



- Welcome Ted Driscoll
- Early-stage venture group
- Don't come to Ted unless you've got some protection

# BPEP #1: An Introduction to Entrepreneurship



**David Hanzel** 



"Strategic Decisions that Will Increase Your Likelihood of Getting Funded"

## 3 lessons from David Hanzel

- Work on stuff that's valuable to someone
- A PhD is a get-out-of-jail card
- Talk to everyone

# Intellectual Property

October 23, 2012 BPEP #2

### Michael Cohen



UC Berkeley Innovation Commercialization

10/23/2012

# Commercializing UC Berkeley Technology via the University's Innovation Ecosystem



Mike Cohen
Director, Innovation Ecosystem Development
UC Berkeley Office of Technology Licensing
mike.c@berkeley.edu

510-643-7201

Wednesday October 24th at 5pm in 375 LeConte

#### Goals: Big Picture Perspective (not factoids)

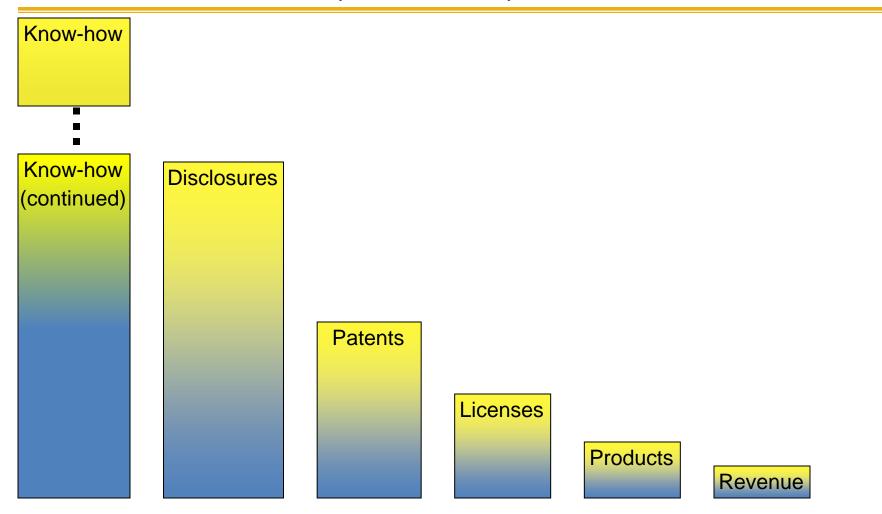
- 1. Guide your transition from grad student to entrepreneur
- 2. Help you leverage Berkeley's innovation ecosystem
- 3. Familiarize you with licensing, patenting & disclosing IP

#### Agenda: Big Picture Perspective (not factoids)

- 1. Brief Background: HP, HBS, Sun, Mips, Silicon Graphics, Netpulse, PD, Cal
- 2. How University People Start Companies
  - Commercialization pathways: the 4Ms, spin-outs vs blast-outs
  - Leveraging the ecosystem: uber-founders, co-founders, early employees
- 3. IP Licensing
  - Catalyzing the commercialization of innovations
  - Managing the risks associated with commercialization
- 4. Patentable Inventions & Copyrightable Software
  - Disclosing to UC Berkeley
  - Patenting
- Q & A (but ask questions during the presentation!)

## Invention Disclosures: Statistics

(not to scale)



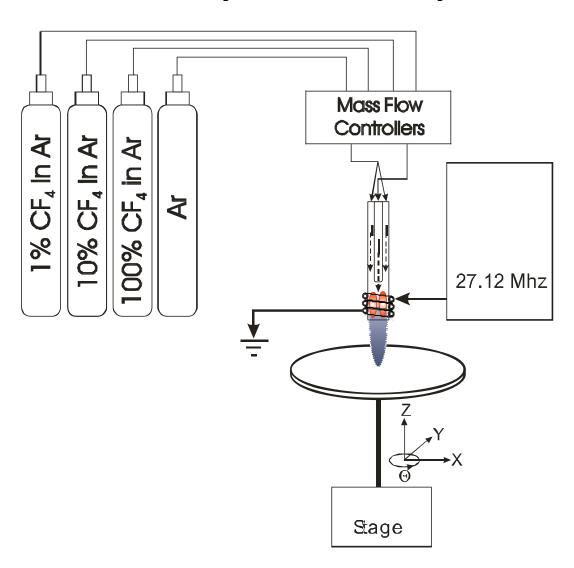
#### First: a disclaimer

The opinions expressed in this lecture are solely those of Dr. Fiske and not his employer, the University of California, the State of California, the government of the United States, or other sentient creatures in our solar system. Dr. Fiske is not a lawyer, nor does he claim to be a lawyer, nor is he representing himself as an authority in legal matters in any capacity. Some of the statements contained in this presentation may not be suitable for children, people with compromised immune systems, people with opposable thumbs, pandas and those who work with pandas.

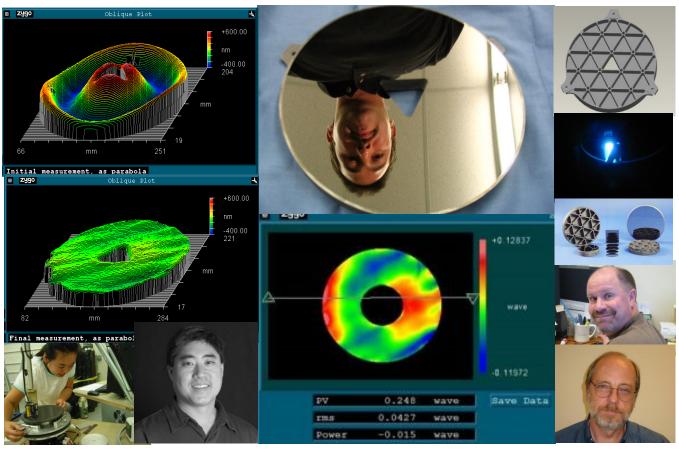
# When I first encountered IP issues, here's what I thought:

- You cannot commercialize any technology without a patent
- Any patent that is close to your invention invalidates your IP claims
- Obtaining a patent will completely protect my IP
- We need to patent as soon as possible to prevent being scooped

# Some history from my first year...







www.raptindustries.com

# Some of my experience

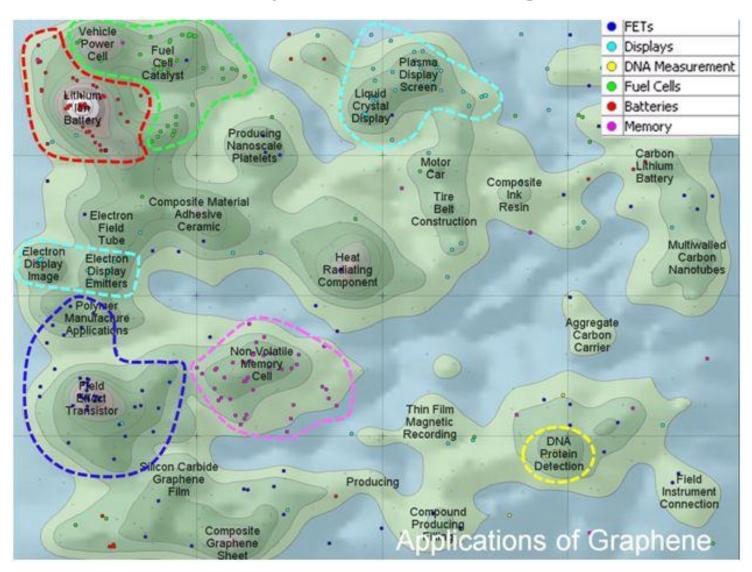
- Dealt with all aspects of IP while running RAPT Industries
  - Filed 13 US and many more international patents
  - Critically evaluated competitive IP
  - Took 2 WONDERFUL classes at Haas
    - Intellectual Asset Management
    - Law and the Business Environment
  - Successfully negotiated a license for RAPT IP
  - Hundreds of hours spent with legal counsel
  - Managed NDAs, employment agreements

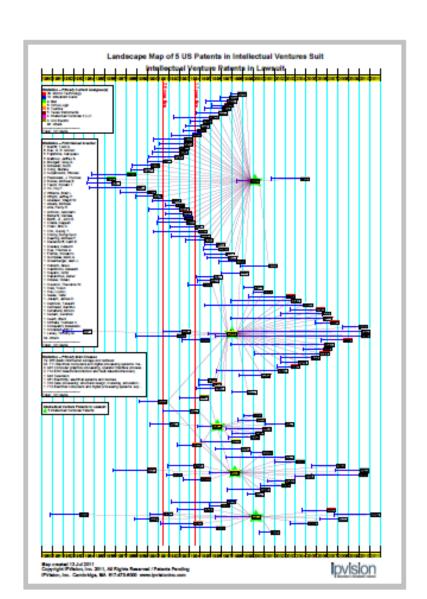
Highly likely you will do this too...

## Patents are a valuable research tool...

M 10002003 100	Pat	Date	Y 100	Facility of the Control of the Contr	h related to Flame Plasma Cleaning - Updated (	21 A 10		Solice/
Search Criteria	No.	Filed	Inventors	Assignee	Title	Abstract	Application	Notes
Abelrael: almospheric places								
	6.342.275	*****	Higabana; Tahuga  Suna, PP ; Abigana; Biracki  Suna, PP ; Anaba; Shinlara  Suna, PP	Seils Epun Carporalin   Nagana-bon, 19]	Helbad and apparatus for almospherin pressure planus median levalural, without of manifestating arminostantur devices, and wellad of manifestating ink jet printing lead	Got discharge in gazer die apprehlerwinst dienkreijing von de danagherin prometer av apprenner dans be danagherin prometer, and an organis malerial stabilität die ligitel de von demperature and skirk in geniembe, mediated in the discharging are applieful exception of the resident of instancial exception and the production of the produ	quared planes merfene beschwich:	Highwai washi i deserdingi dhalil dhe like Allil dh agirah liquilish like plana adresa. The liquid agirah adliagawa Hali kuwand adalihah angka seribish Balke dasa dhe mangad dhifi engoding departika.
	6.262.523	*****	Selaga; Corg S.  Lar Clause, AN]; Braine; lare  Lar Clause, AN]; Debayer; Slow C.  Budinglus Death, CO]; Binks; Rakerl F.  Lun Anyeles, CO]	The Beyonla of the Baineraily of California (Luc Alauna, BM)	koge ava almoghedingernore glama jel	Long are almospheric presence plannigh. By how of include the large left of almospheric presence and nor count long-colors with \$1.5 MHz of years in described. Bills plans better, the finishing restince a presence of the large left of the large presence and nor official as the life. Wilder, or all the principle power of any Billy, on these inflations of the large presence plant is the single large part of the large plant of the large plant is the subsequent of the large plant is the subsequent of the large plant is the subsequent of the large plant is a finished and such as a finished in the county of the large plant is a finished and such as a finished in the large plant is a finished to a finished plant is a finished to a finished plant is a finished to the large plant is the large plant in the large plant is the large plant in the large plant is the large plant in the large plant is the large plant in the lar	ales planes describe	We wan shed Goog Erlinge's most. We Billingelish more by I Bill kin's a deep keen glet tuberyoo ware is mad CP. Goog's Underlanging ober wild be keen gell'in mile widels be no en deep keen gellingelish belanging die per belanging op begin belanging op begin
	******	8-Jun-99	some Corp S. Handland	<del>9e</del> 1	Stamphoring, come glama donatania dinofelo diindine akaaboo	On almospheric persons plana formulariadizatel reciliadiza dustre in termined. The appendaria model for terminatella questillar equipment and admirida, man a relationist, quita and admiridate questillar equipment and admiridate and reciliadizate personal admiridate and admiridate architectured and admiridate and admiridate and admiridate admiridate and admiridate admiridate and admiridate admiridate and admiridate admiridate admiridate and admiridate admiridate admiridate and admiridate admirida	dangtama di sing publikasili sa 5,365,772	The Charles had all the cords beautiful School against
	6.221.268	*****	Li; Kin  Bellever, WB ; Toolsline; Hivan  Bellever, WB	The During Company [Smiller, WA]	Section audification using an almospheric personne ylan disobanyo plana annon	Outbut for pertaining this champler is present after discharge please using \$P emilities and the set of a sit please. For milities the section leave of substitute. The please perceloids this present and the section confidence and this payment in the payment of an interview of the section perceloids the time and the section of the se	almplane alexaning Hird unfiftinglish [5,928,527, 5,246,249]	nadą ordnąłonkam – Sarakrippiną Elisocoplina
	6,218,640	•••••	Selilare; Simm I.  Fremal, CA	TimeBensin CYB, Inn. [Campbell, CB]	Alamphoria promore industriar planas apparatus	He inhalise plane herd aprolling al dungskrin proseer in 1914 for unfor en glass adaltole pracessing. Sid berd enging a linear lyse of plane a softward. This linear bend is parlicularly withth for phalmenial classing and processor in which il has the absorbage of high abrainal indeppirelaberal and two planes dunage.	alm planes alleaning	
	6.214.243	*****	Li; Kia  Bolloner, WA ; Tariolisa; Hinse  Bolloner, WA	The Paring Company (Smille, MA)	Surface and finalism using an almospheric processes yield finalsoop planes were	O nellud for producing dalle absorptive pressure que disuberge planace ming 80 emilidies not lie une of soit planace for motifying the norther legal of notificial to a patient. The planac proved delty this process and it mentions emilificially negatively proport the large of some of all this obtained excellent. The planace note and the surface application of the planace of the motion for the norther legal planace and norther according of positional intelligent planace and norther according of positional intelligent planace and norther according of the norther legal planace and norther according to the norther legal planace and norther planace and norther according to the norther legal planace and norther according to the norther legal planace and norther according to the norther northern according to the northern		Ak on ht oferlands: We is a DC planes on well and distinguished before were.
	6.118.218	1-Feb-99	Vialinia; Angela [Tunnan, A2]; Pirnala; Shakit A. [Tunnan, A2]; Douber; Walfqanq [Tunnan, A2]	Signs Frakuslugira International, Inc.  Tunne, AZ	Steady-state glan-disakeeye plasse at almospheris personer	Aglama bedre incorpodo a grama solulla lagra in un el lle shakedra. The grama lagra in ababel sill processo a mengrain sillicano nebe el magliado di lle un actore pill al lle planes que delampheria processo. The glama que insignido disclie destando el malesta dillegiampheria processo ad almos la latifecta llempilla porcesso. The glama que primir quello quel destando que lama el "llema adecida les besoluis inseguel de lucius accorde debusco licia consignitario de comunicacione planes a l'elimpiato in lagra dessa con el llema accorde debusco.	film be showed	Chan Hardroger are Hallagaldadde fran arres

# Patent analysis can provide great competitive insight





# Levels of IP Strategy

- Defensive "stake a claim"
- Cost Center "reduce IP costs"
- Profit Center "license what you can"
- Integrated "company-wide focus"
- Visionary "trans-company future-oriented"

## The basics

Intellectual Property (IP) is any product or result of a mental process that is given legal protection against unauthorized use. Different types of intellectual property are protected in different ways. Properly protected, intellectual property can give a firm a strategic competitive advantage.

### Different forms of IP

**Patent** – a government-granted right to exclude others from making, using, or selling an invention

**Copyright** – a legal right to prevent others from copying the original expression embodied in a creative work or any other work of authorship fixed in a tangible medium.

**Trademark** – a set of words and/or symbols that identify the source of goods and services and embody the "goodwill" of the business

**Trade Secret** – information that gives a business an advantage over others who do not have the information

**Know-how** – detailed information on how to make or do something (can be a trade secret)

## Click to LOOK INSIDE!

