

q1b3  
ucb ucsc ucsf



Created to fuel the California bioeconomy.



# Universities play a critical role in society



# Public frustration

"...to patients and taxpayers – the return on investment to the American taxpayer has been approximately as satisfying as the AIG bailout."





# Life expectancy with advanced colon cancer

**1996**

**11 months**

**2006**

**24 months**

**Drug Cost 1996**

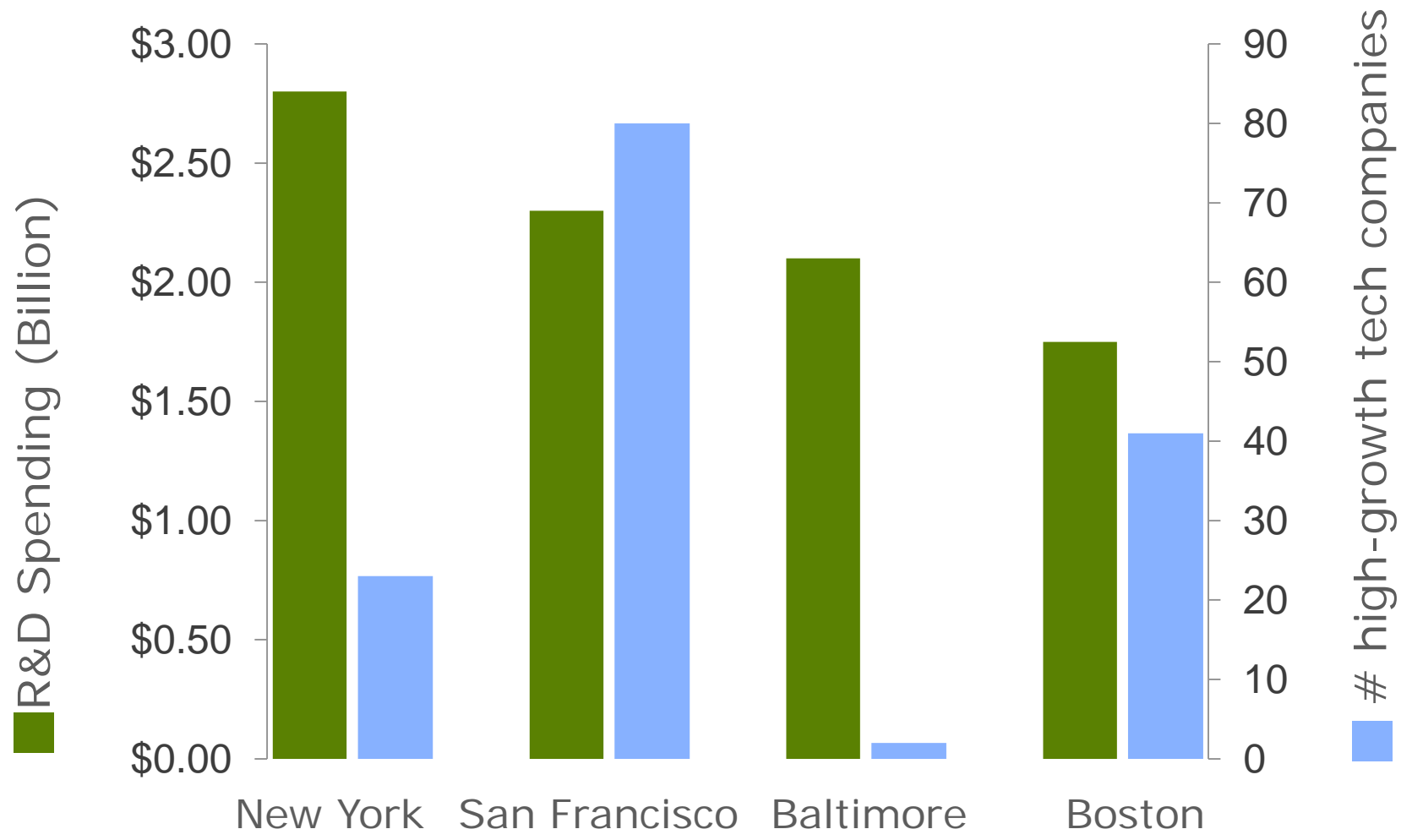
**\$500**

**Drug Cost 2006**

**\$250,000**

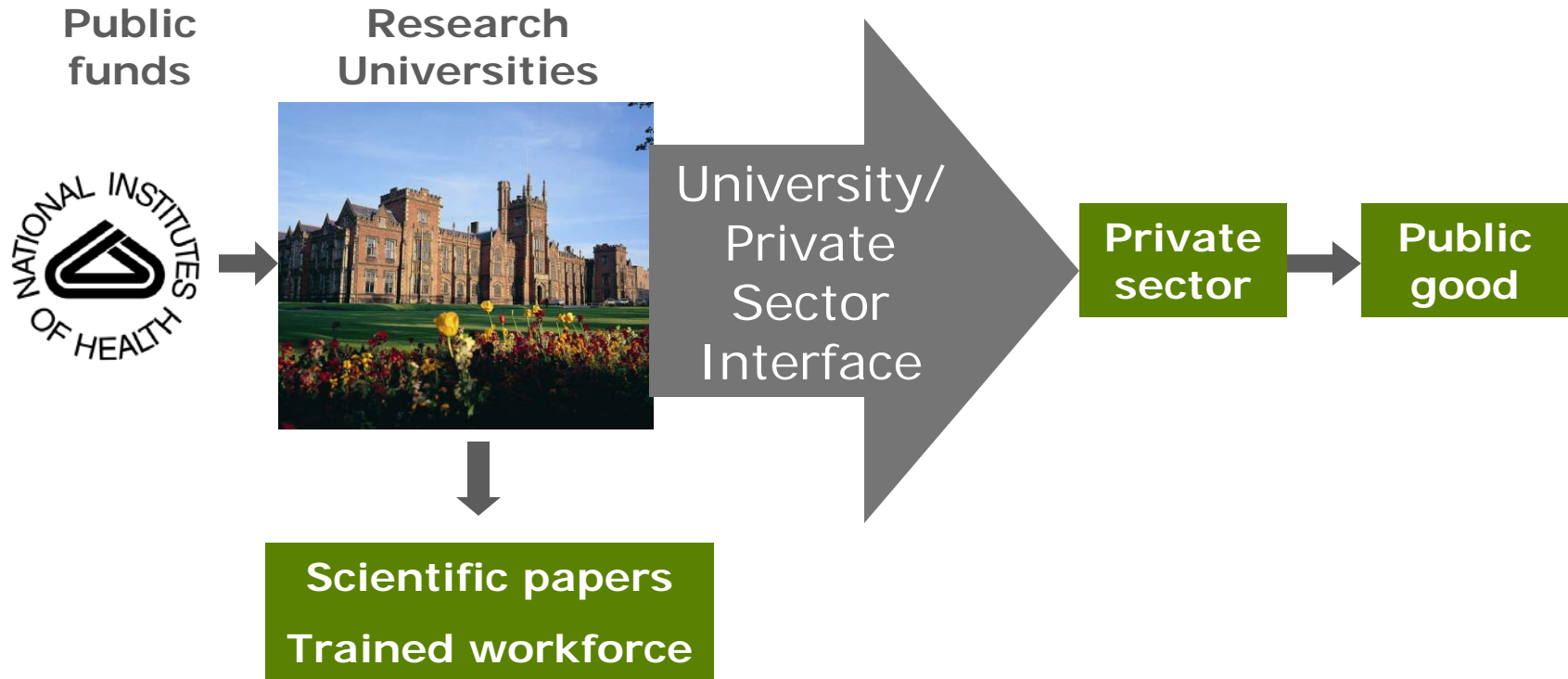


# University R&D is essential, but not sufficient



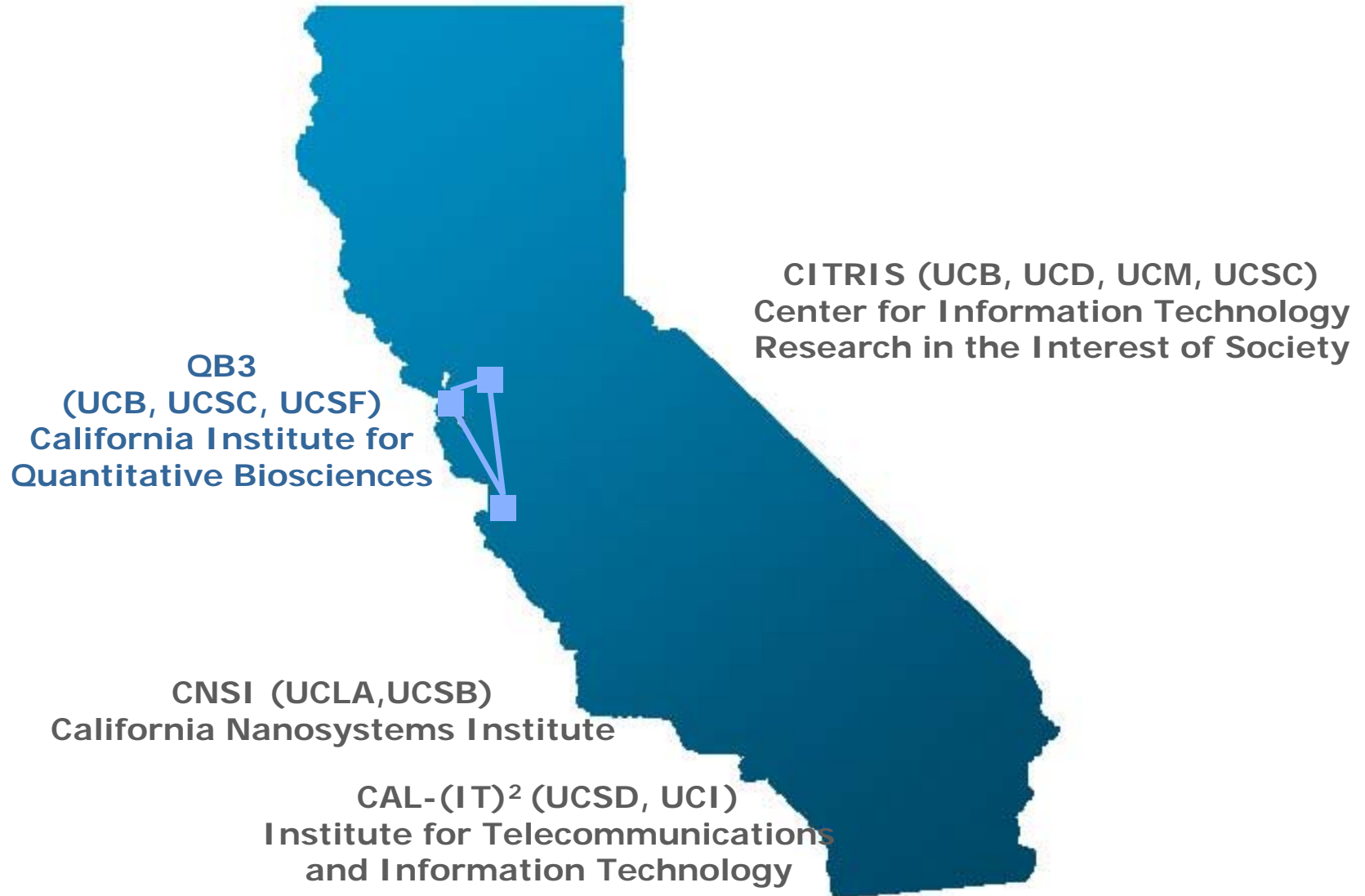


# Universities play a critical role in society

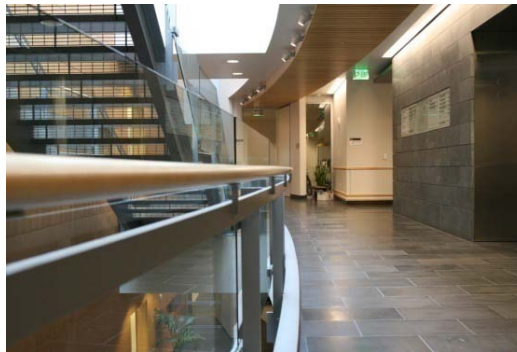




# California Institutes for Science and Innovation



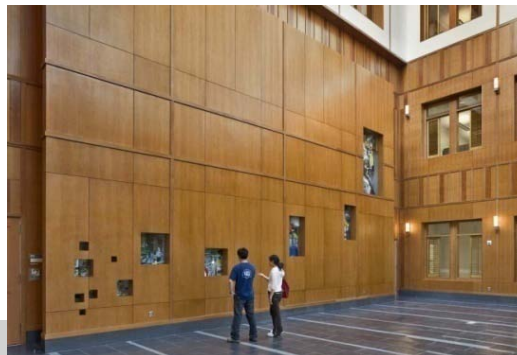
# QB3 has three new state-of-the-art facilities



QB3 – Santa Cruz

QB3 - UCSF

QB3 - Berkeley





# Building a new center of innovation





# The Mission Bay Vision

TRANSLATIONAL RESEARCH

Basic Scientists

Clinicians



IMPROVED HEALTH CARE



Abraham Flexner (1910)

# The Mission Bay Vision

TRANSLATIONAL RESEARCH

Basic scientists

Life science industries

Clinicians



IMPROVE HEALTH CARE



# Marrying research, clinical care, and industry

Arch Ventures  
Column Group  
Novo Ventures  
Orbimed  
Synergenics  
Third Rock  
Versant Ventures



UCSF Children, Women,  
and Cancer Hospital



**NEKTAR™**

**FIBROGEN**

**Presidio**  
PHARMACEUTICALS, INC.



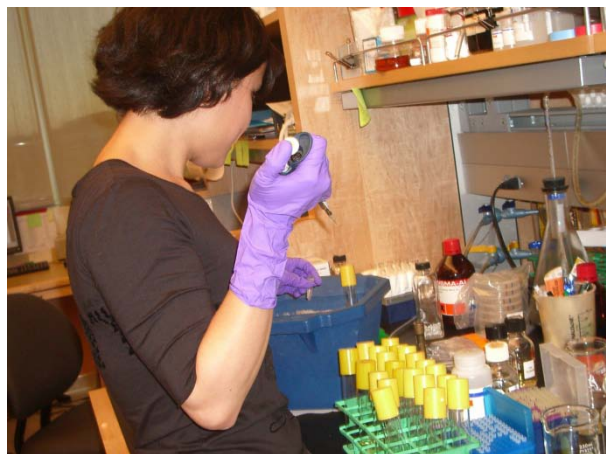


# QB3 INNOVATION TOOLKIT



# QB3's *Innovation Toolkit*

Catalyzing companies



**FIND**



**NURTURE**



**START**

# FIND

QB3's *knowledge brokers* identify useful discoveries



**Regis Kelly, PhD**  
QB3 Director



**Marc A. Shuman, MD**  
QB3 Clinical Director  
Professor, UCSF, Medicine,  
Urology, and Cancer Research  
Institute



**Douglas Crawford, PhD**  
Associate Director, QB3  
Managing Director, Mission  
Bay Capital



**Neena Kadaba, PhD**  
QB3 Director of Industry  
Alliances

# NURTURE

Guiding and Funding exciting opportunities



The art of mentoring:

**Venture Mentors**

**Clinical Affiliates**

**Entrepreneurs in Residence**



**ROGERS**  
F A M I L Y  
FOUNDATION

*Rogers Bridging the Gap Award*



# QB3 Rogers Award: Bridging the Gap



- Since 2006, 12 Catalyst grants have been awarded
- 3 Awarded in 2010:
- Of the 9 awarded from 2006-2009:

## Startups

- **SEACChange (Shoichet)**
- **Omniox (Marletta)**
- **Nanoprecision Med. (Desai)**
- **LiquiLume (Schmidt)**

## Licenses/Partners

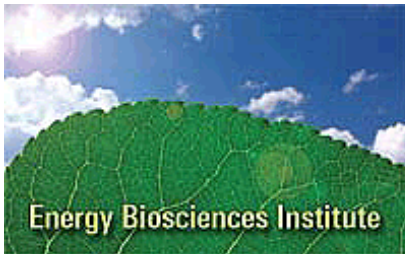
- **Z-cube (Desai)**
- **Bio-Rad (Herr)**
- **Akonni (Chiu)**

## Forming

- **Artificial Kidney (Roy)**
- **Oncology Biomarker (Wells)**



# Focused collegial partnerships



# START

QB3 provides essential “garage” space & support



# QB3 Garage@UCSF

## Current members



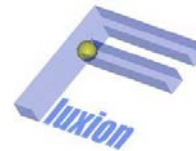
Lypr Biosciences, Inc.



Refactored Materials

SeaChange Pharmaceuticals

## Alums



TRUE MATERIALS



MYNOSYS





# The QB3 Garage/Innovation Network

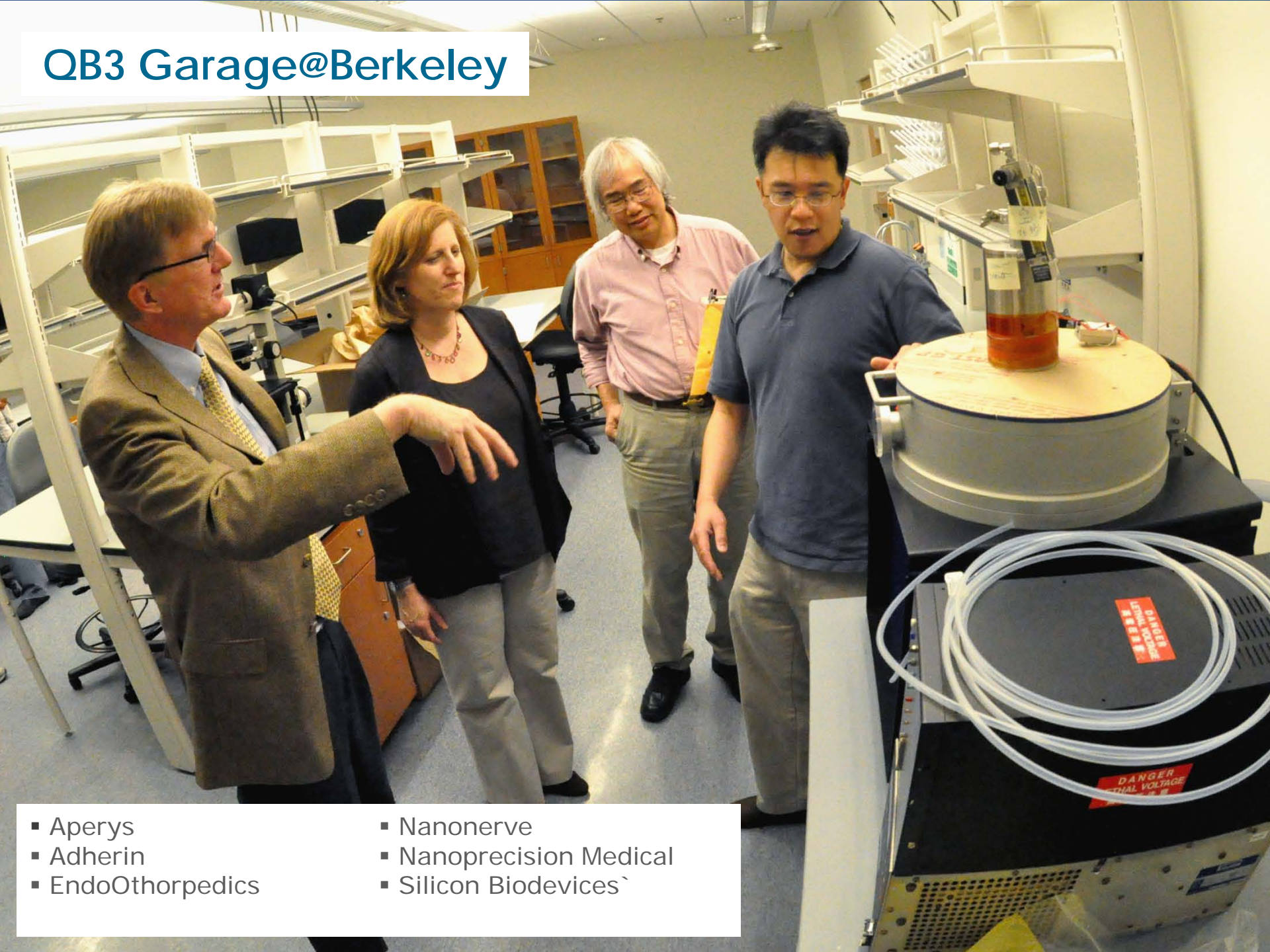


- Ablexis
- Carmot Therapeutics
- CV Ingenuity
- Delpor
- Gemmus Pharma
- Gigagen
- Green Pacific Biologicals
- Locus Development
- Medicus Biosciences
- Metafold Therapeutics
- Sequentia
- Pathway
- Pharmajet
- Photoswitch Biosciences
- Sequesco
- Siluria Technologies
- Silver Creek
- Solidus Biosciences
- Targenics
- Tunitas Therapeutics

Space • Resources • Connections



# QB3 Garage@Berkeley



- Aperys
- Adherin
- EndoOthorpedics
- Nanonerve
- Nanoprecision Medical
- Silicon Biodevices`

q1b3

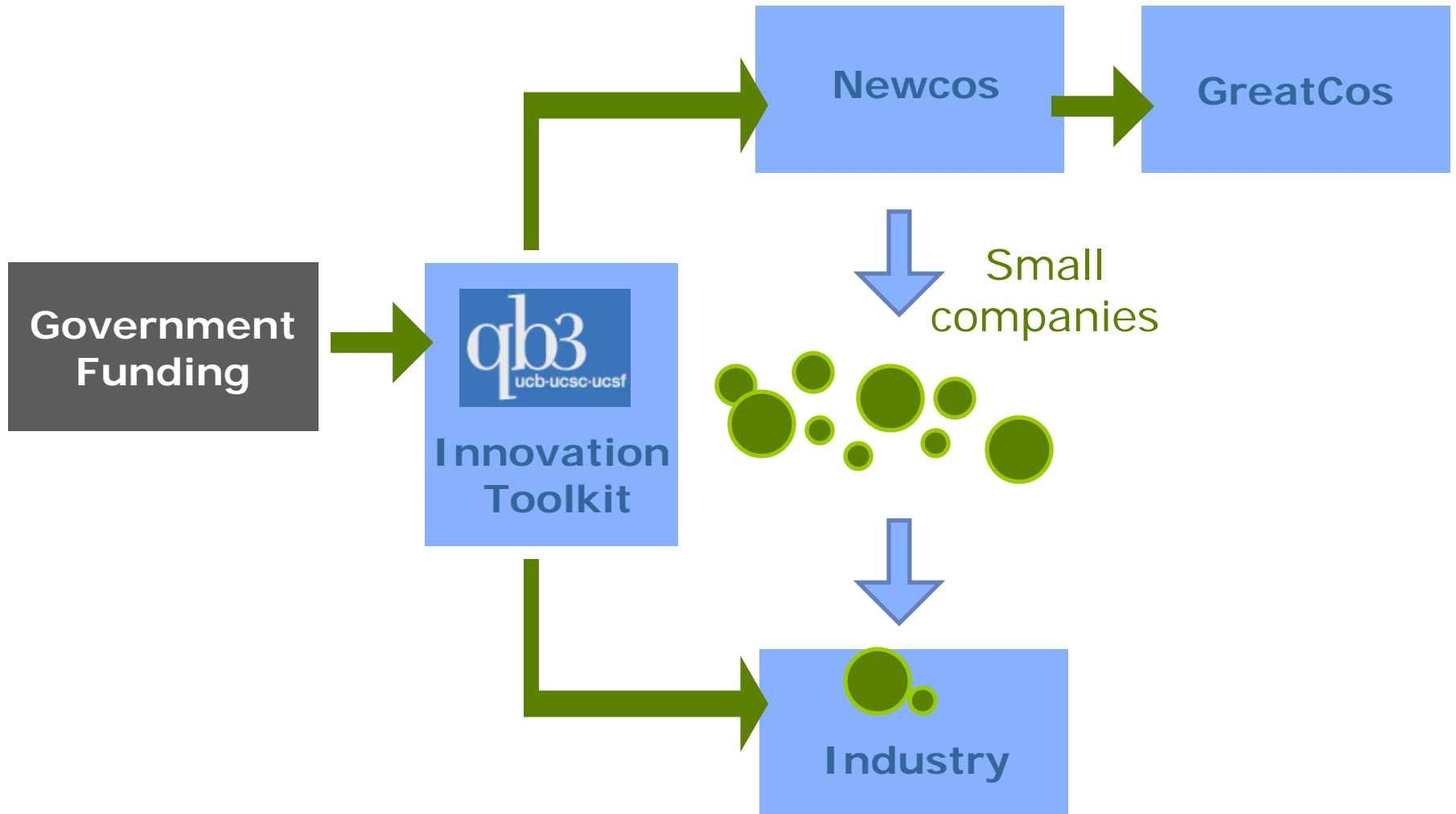
East Bay Innovation Center







# University innovation ecosystem



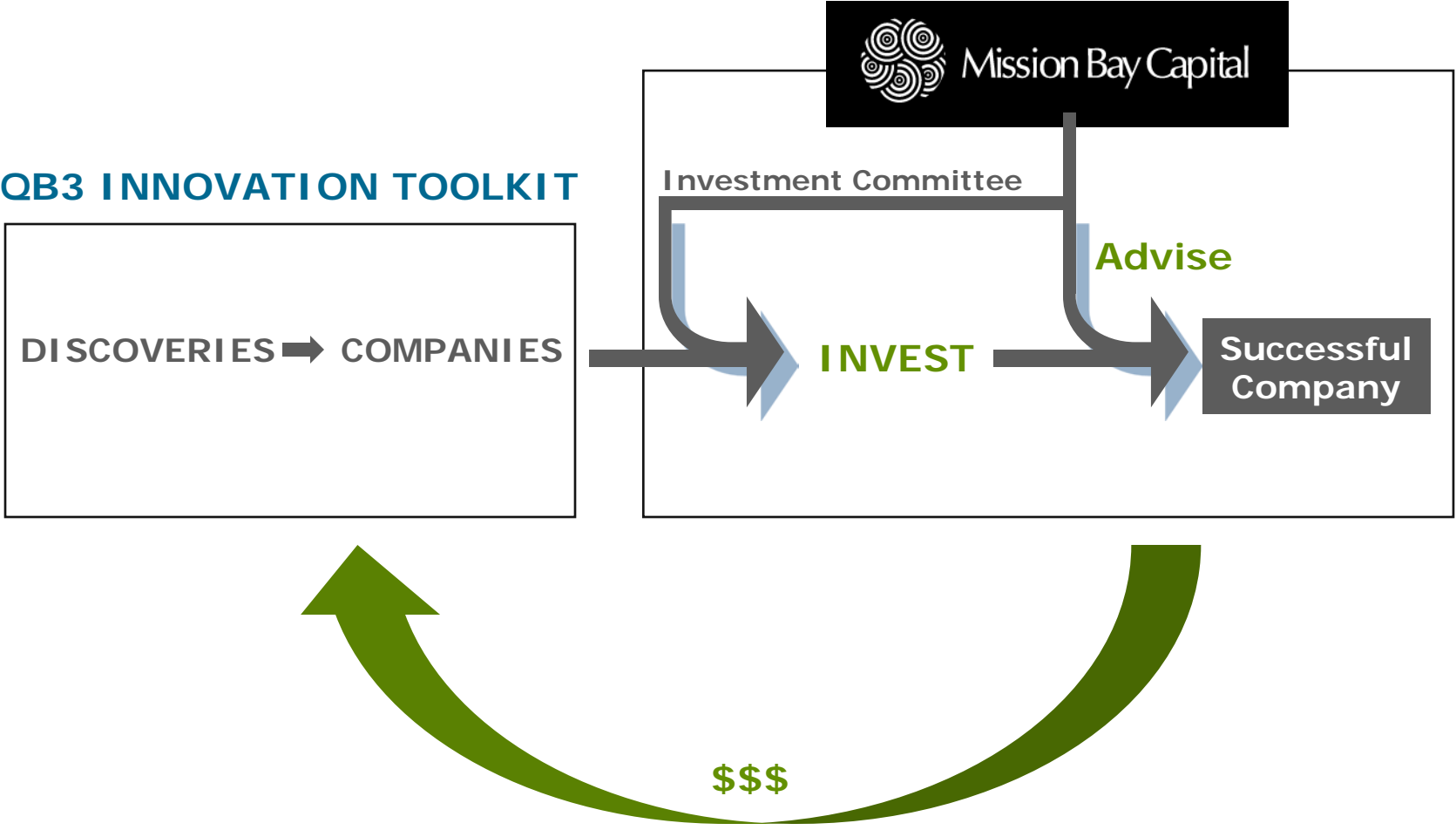
MISSION BAY CAPITAL







# QB3 venture fund to catalyze innovation



# MBC's pro bono Investment Advisory Committee



Brook Byers  
**Partner**  
*Kleiner, Perkins,  
Caufield & Byers*



John Wadsworth, Jr.  
Managing Director  
**Manitou Ventures**



Jon Root, MD  
Managing Director  
**USVP**



Brian Atwood  
**Managing Partner**  
*Versant Ventures*



Chris Christoffersen, PhD  
**Partner**  
*Morgenthaler Ventures*



Fred Cohen, MD, PhD  
**General Partner**  
*TPG Ventures*  
*and Professor, UCSF*



Luke Evnin, PhD  
**Managing Director**  
*MPM Capital*



Bill Ericson  
**Partner**  
*MDV*



Doug Cameron  
Managing Director  
**Alberti Advisors, LLC**

# Mission Bay Capital Progress



## **\$11.3 million under Management**

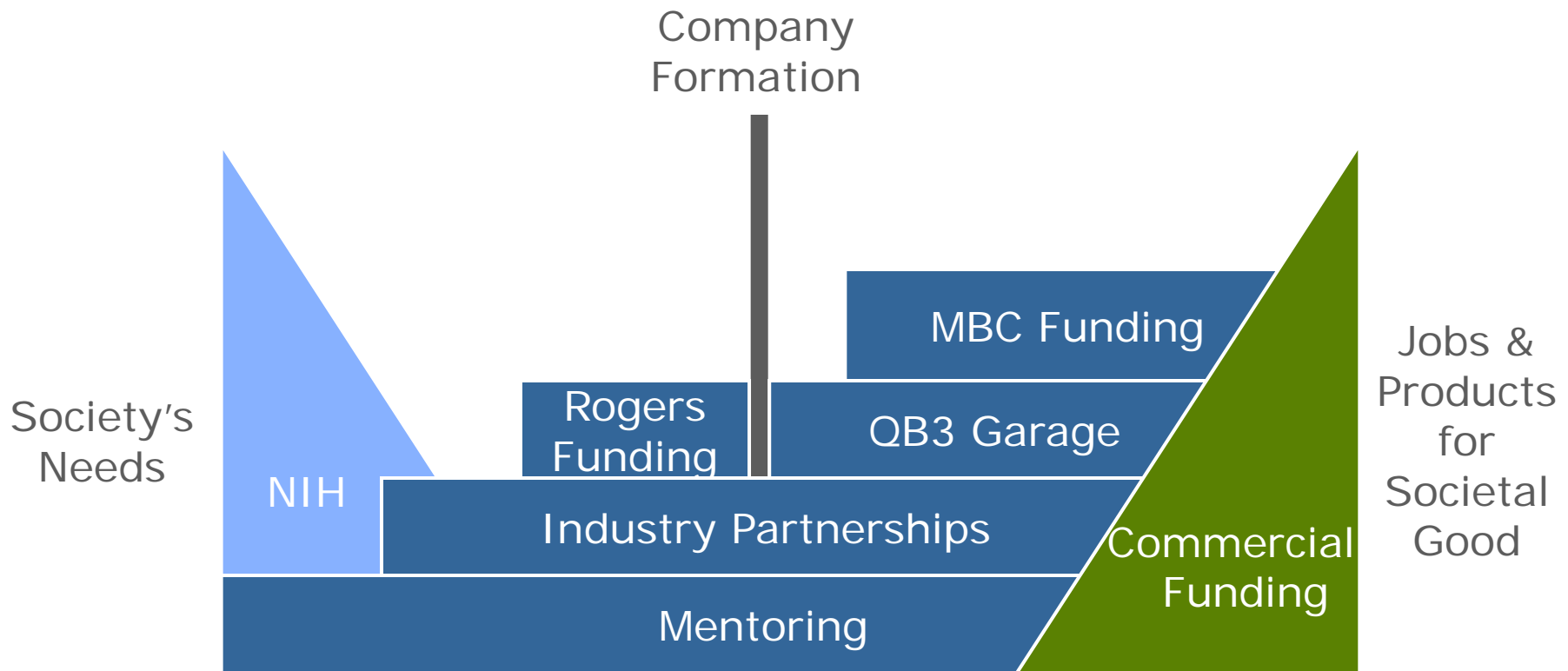
### **LPs include:**

- Z-Cube
- UCSF Foundation
- Jack Wadsworth
- Wilson Sonsini Goodrich & Rosati
- New Ventures Mission Bay, LLC
- Pfizer

### **5 investments**

- Calithera
- Fluxion Biosciences
- iPierian
- Redwood Biosciences
- Stealth mode chemistry company

# QB3 bridging the “valley of death”





# QB3 dedicated to innovation



Douglas Crawford, Ph.D.

Associate Director, QB3

Managing Director, Mission Bay Capital

[douglas.crawford@qb3.org](mailto:douglas.crawford@qb3.org)