



# Stimulating Bioscience Innovation in Arizona and across the US:

An Integrated Model to Create  
Positive Economic Impact Through Accelerated  
Commercialization

# Challenges Facing BioMedical Commercialization

2.7% of GDP spent for  
research but only 0.01% of  
the GDP available to  
translate the resulting  
discoveries.



# Economic Opportunity of Increased Funding in the Valley of Death



The Kauffman Foundation and Center for Advancing Innovation surveyed 145 research institutions. Final report indicated that commercializing **ONLY 6% more** federally funded research discoveries could have a **\$1.4 TRILLION** to **\$3 TRILLION** impact on the national GDP.

# Challenges in Life Sciences

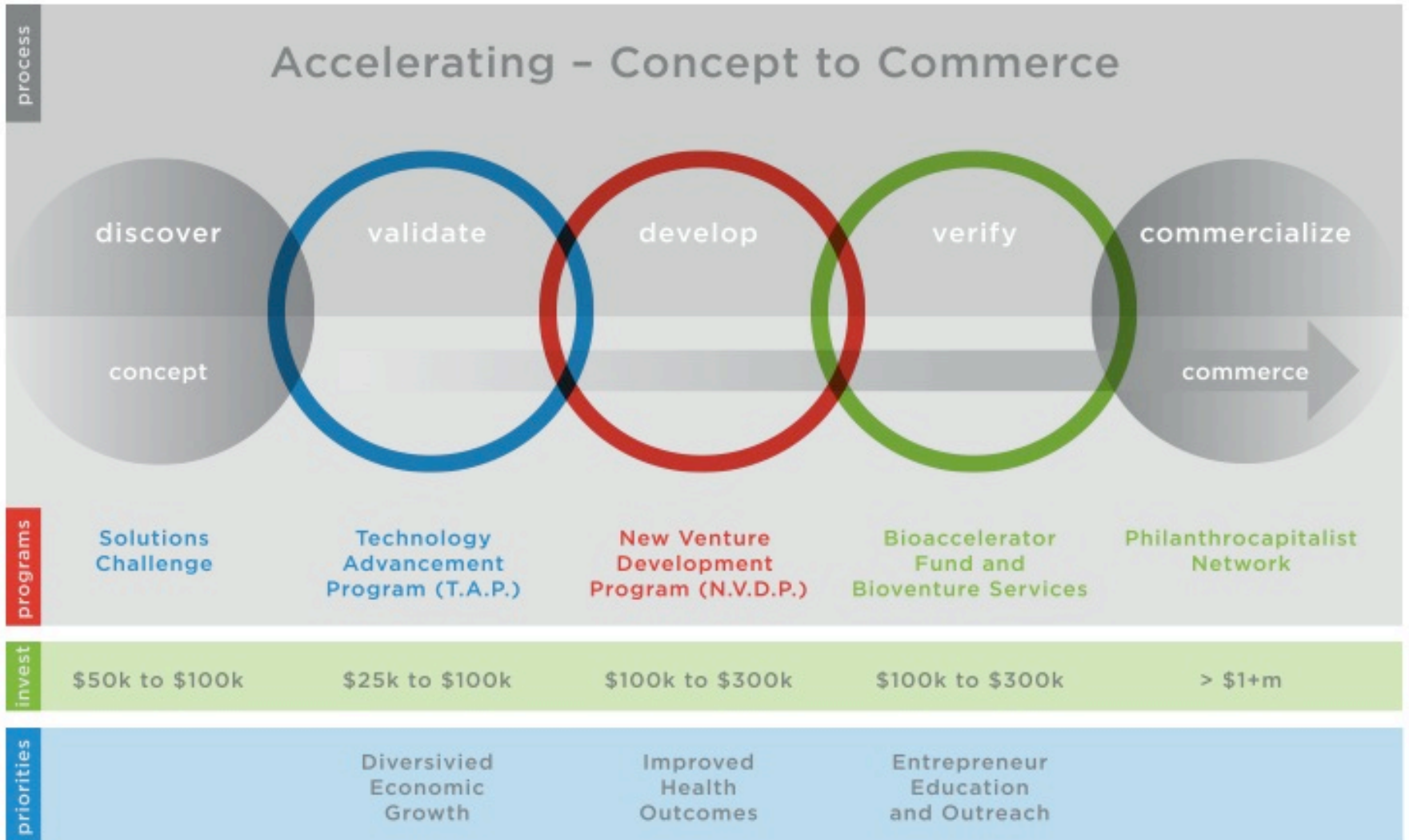
- Securing a validated early stage technology pipeline.
- Access to concept, early stage and venture capital financing. (aka Valley of Death)
- Access to technical/business expertise necessary for accelerated commercialization.
- **Technology has market applicability.**
- Experienced management teams.
- Engaged early stage investment community

# bioaccel goals:

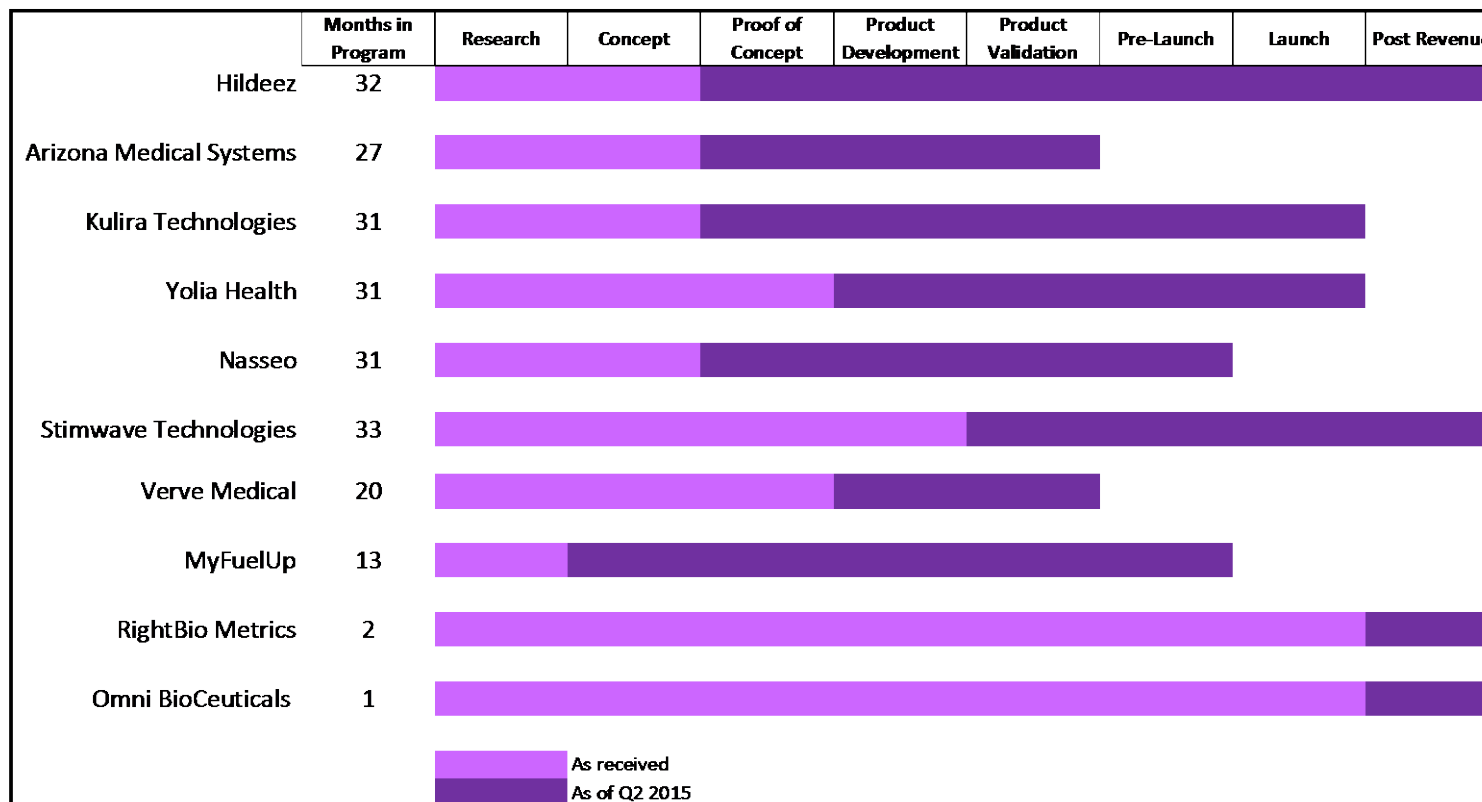
- **Develop pipeline of early stage Bioscience Companies**
  - Proof of Concept Funding through the Technology Advancement Program
- **Transform Pipeline to Product Thru Company Formation**
  - Pre-seed/seed funding, facilities, business/technical support through the New Venture Development Program
- **Train students and entrepreneurs**
  - Internship Programs
  - Business/technical mentoring, networking
- **Attract downstream capital**
  - Create venture fund

# bioaccel Accelerator Model

- Proof of Concept program de-risks technology to create sound commercialization platform: *Accelerate success or fail fast.*
- Seed Investments support new company formation and a sound business infrastructure. *De-risk business investment.*
- Hold equity in companies. *Creates self sustaining model.*
- Provide hands-on assistance and a network of business, technical, legal, regulatory and financial resources to reduce the obstacles to commercialization. *Accelerates progress.*
- Provide a specialized medical device facility through Partnership with the City of Peoria - BioInspire. *Expands the medical device ecosystem.*



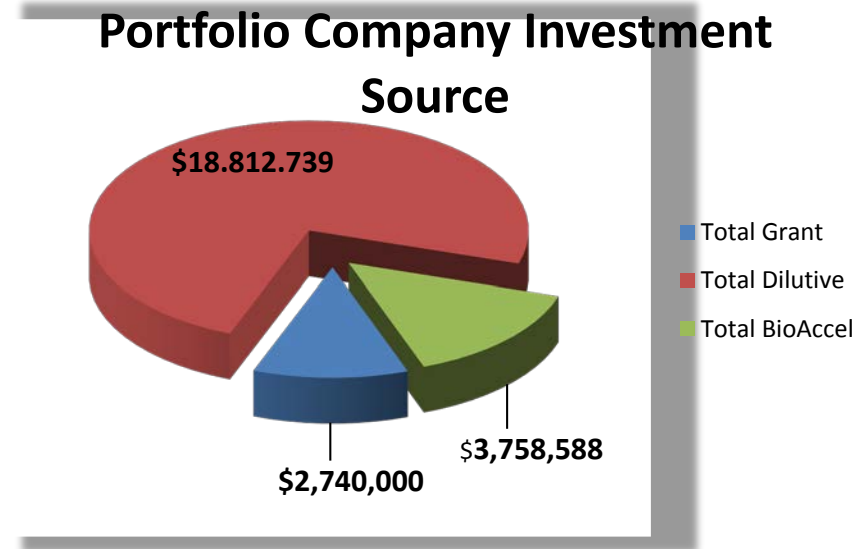
# Bioaccel Portfolio Progress





# Outcomes of BioAccel Incubator Model

- **bioaccel** Investments of \$3.7 M has leverage over \$18.8 M in private investments into our portfolio companies.
- Portfolio companies received additional \$2.7M in grants (State & Federal).
- 2.3 X Growth in portfolio pre-money value since entering the accelerator program,
- 90 jobs
- 37% Projected Internal Rate of Return



# Summary

## **BioAccel's programs and model:**

- **Drives economic growth through business creation, high wage jobs and new products.**
- **Marries market need with innovation.**
- **Expands validated technology pipeline improving ROI.**
- **Reduce technical, business, downstream investment risk.**
- **Accelerates Concept to Commerce.**