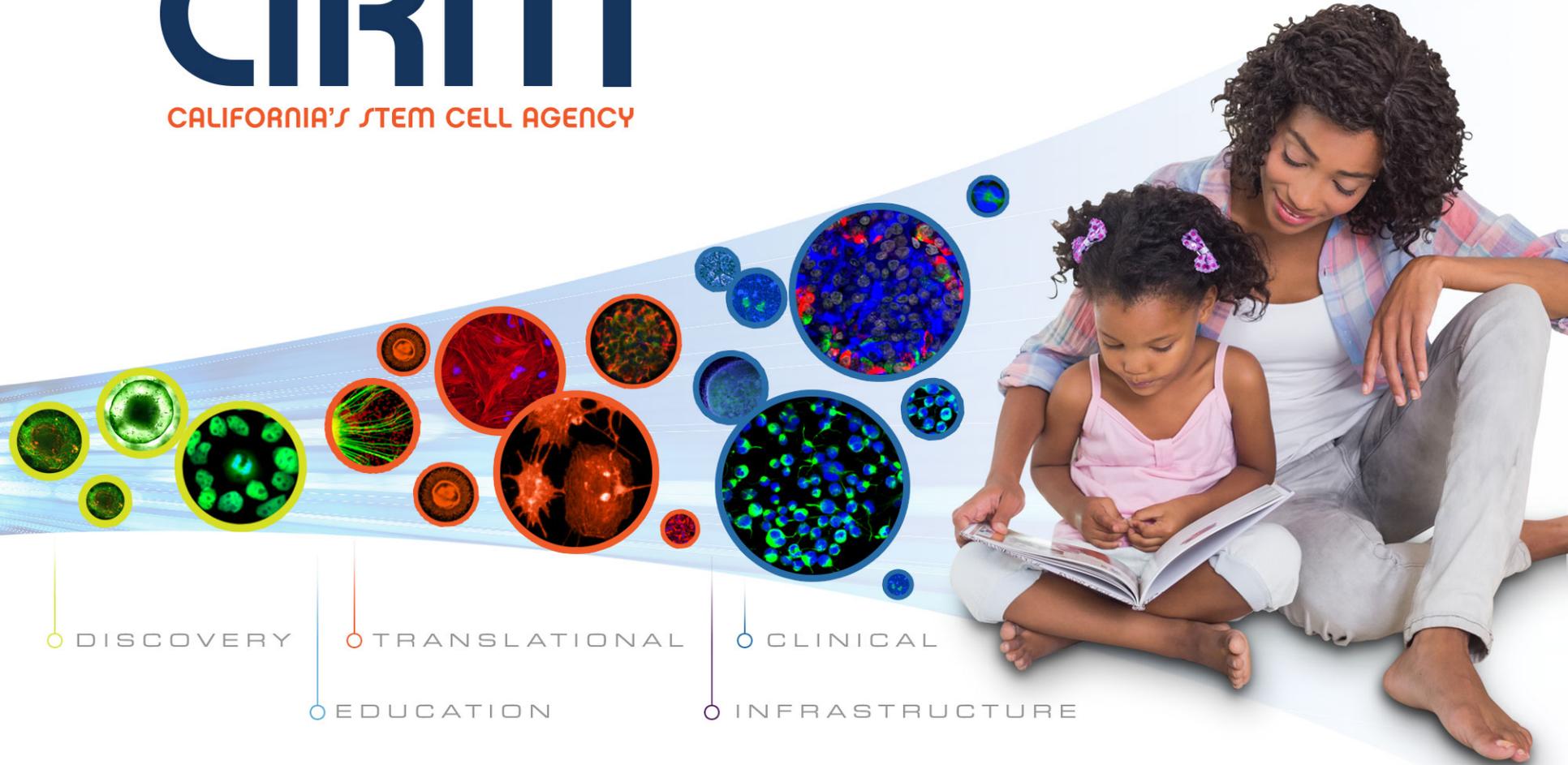


# CIRM

CALIFORNIA'S STEM CELL AGENCY



○ DISCOVERY

○ TRANSLATIONAL

○ CLINICAL

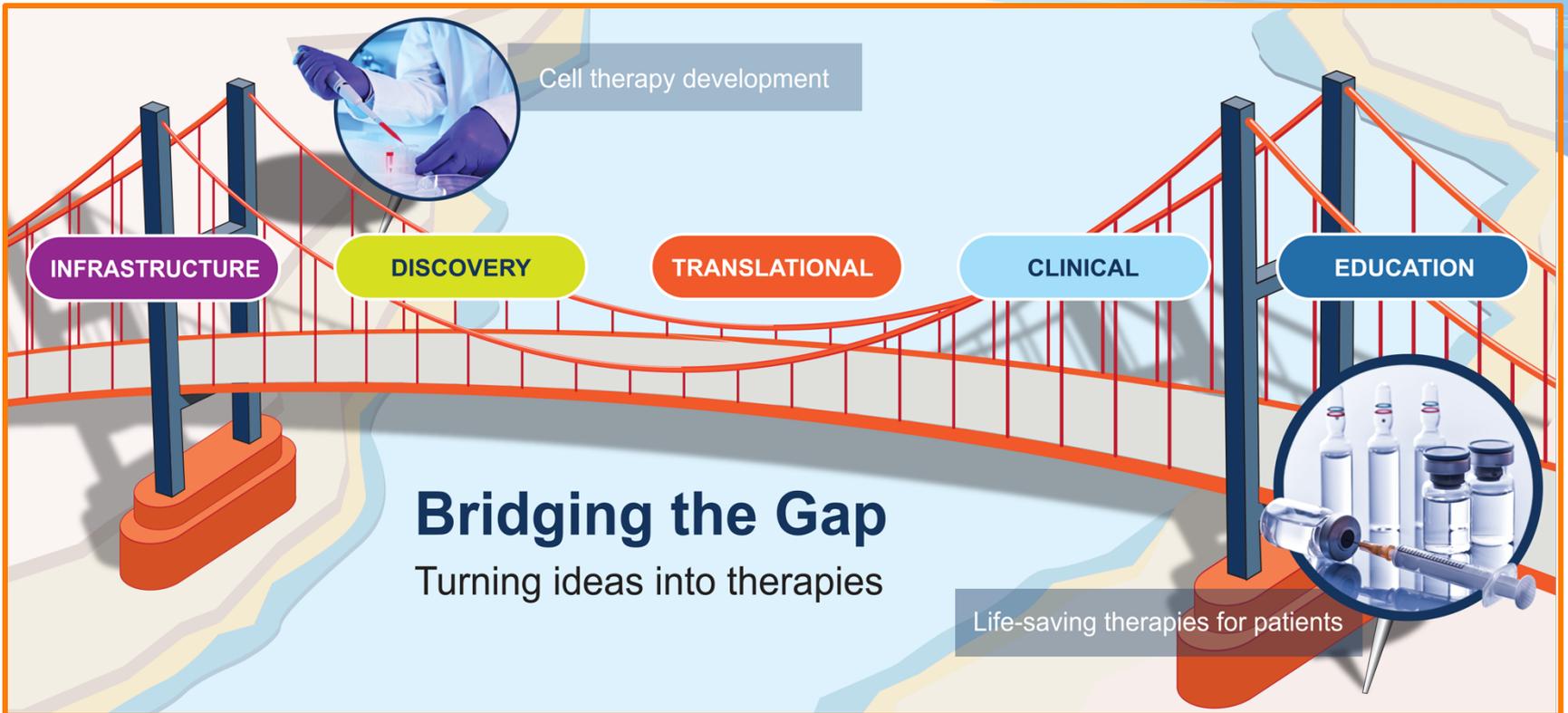
○ EDUCATION

○ INFRASTRUCTURE

## CIRM 2.0 for Discovery & Translation Program Overview

**C. Randal Mills, Ph.D.**  
President and Chief Executive Officer  
California Institute for Regenerative Medicine

# The CIRM Spectrum



# CIRM 2.0 Discovery & Translation

**Objective:** To promote the discovery of promising new stem cell technologies and drive their rapid translation towards improving patient care

# Four Areas Targeted for Improvement

## CIRM 2.0 Discovery & Translation



Continuous, Predictable  
Pathway



Prescribed Progression



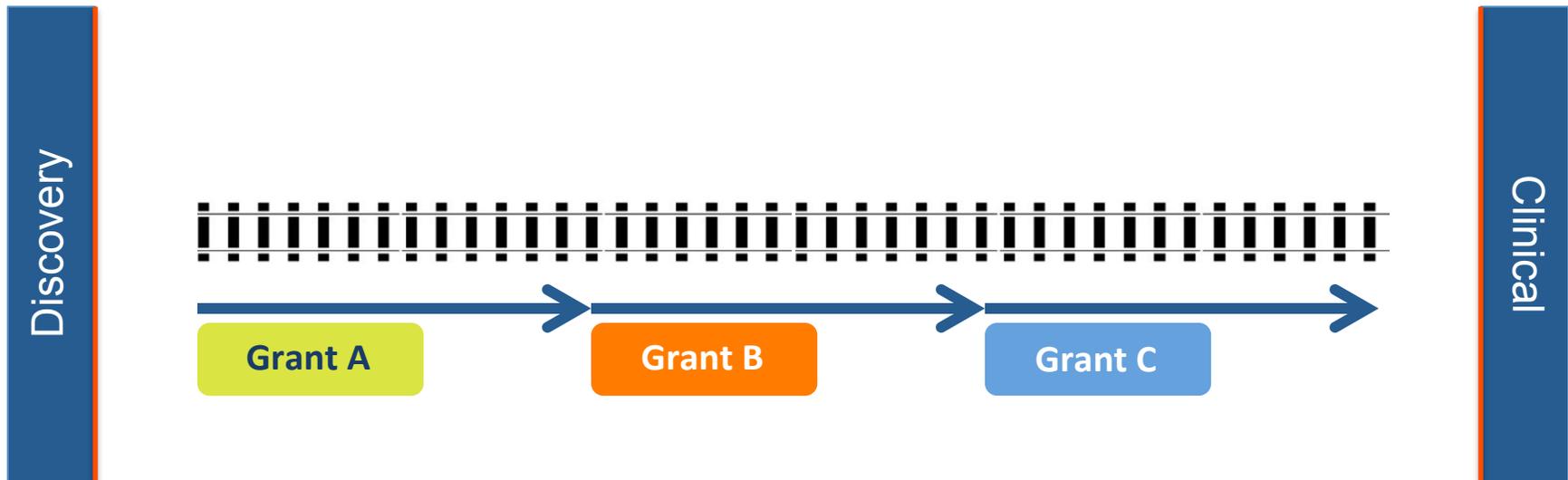
Responsive



Multiple Development  
Pathways

# Continuous, Predictable Pathway

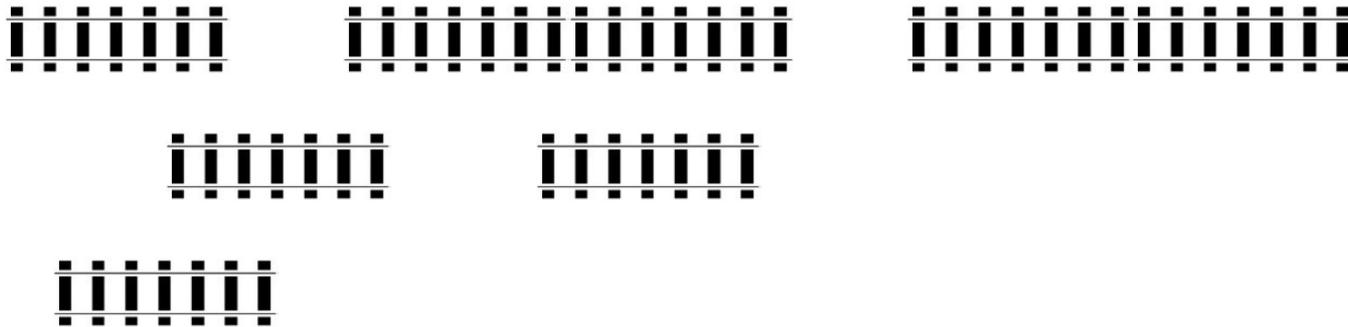
## CIRM 2.0 Discovery & Translation



# Continuous, Predictable Pathway

## CIRM 2.0 Discovery & Translation

Discovery

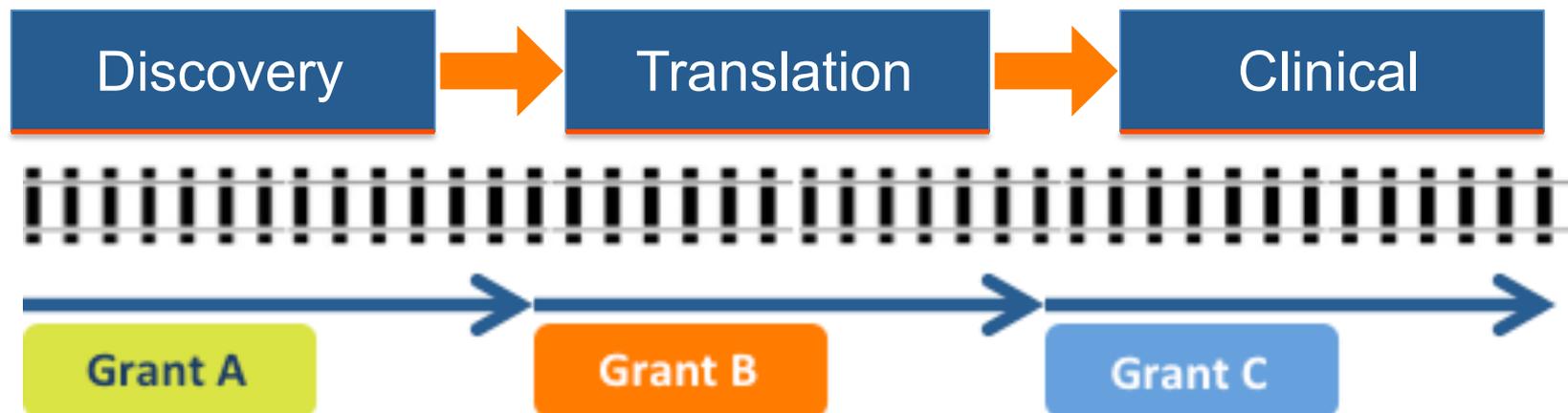


Clinical

# Prescribed Progress

## CIRM 2.0 Discovery & Translation

- Plan for Progress
- Incentivize Progression



# Responsive to Emerging Needs

## CIRM 2.0 Discovery & Translation

Great  
New Idea

Discovery

Translation

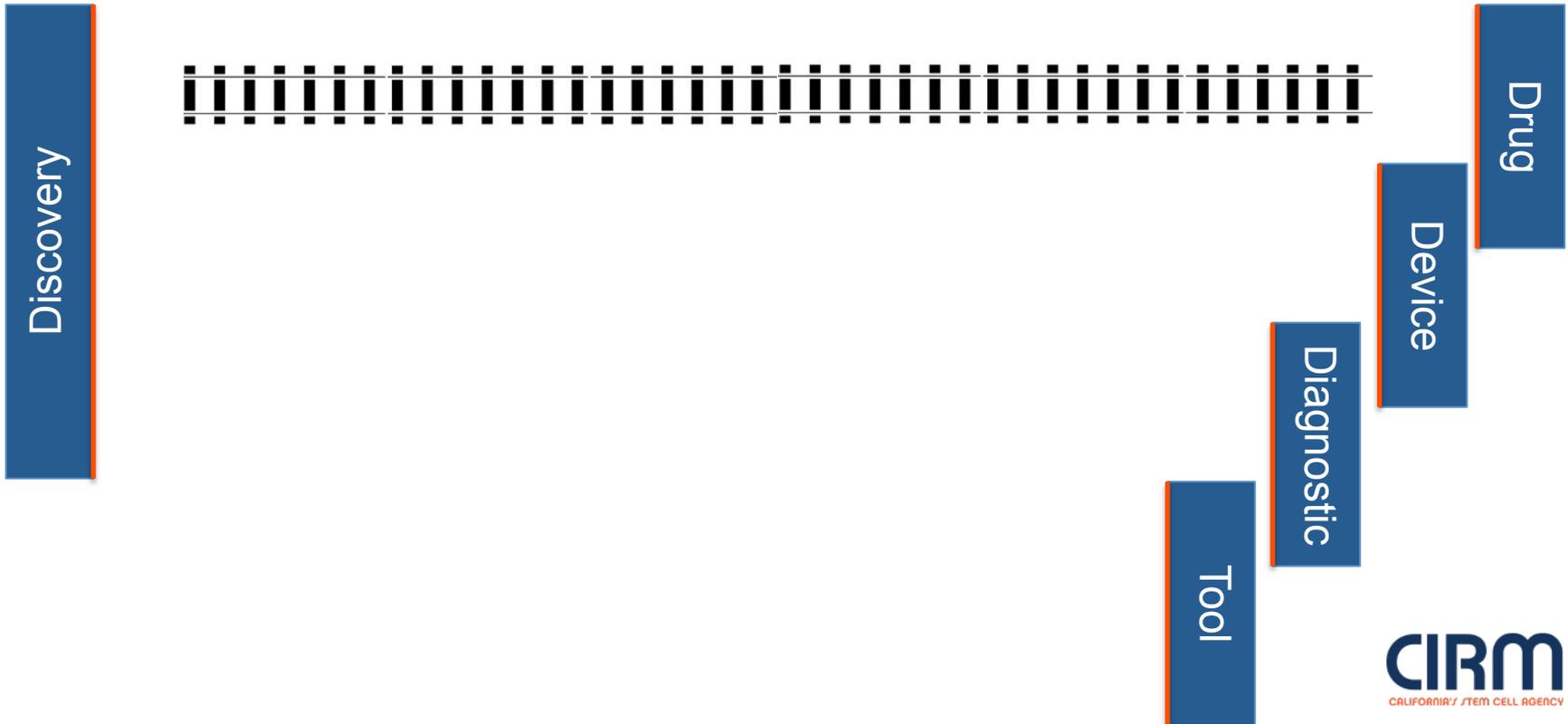
Clinical/Commercial



Downstream  
Roadblock

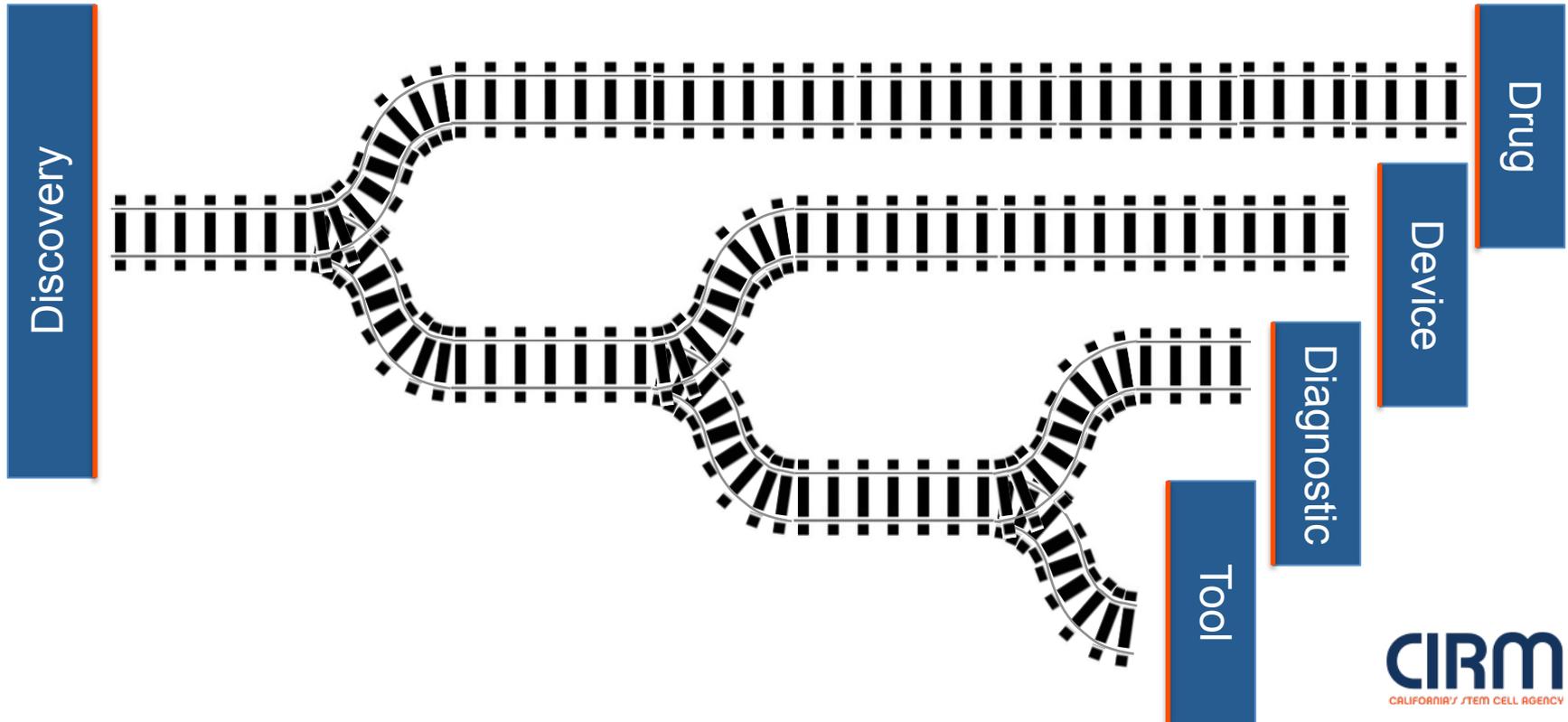
# Pathways to All Successful Outcomes

## CIRM 2.0 Discovery & Translation

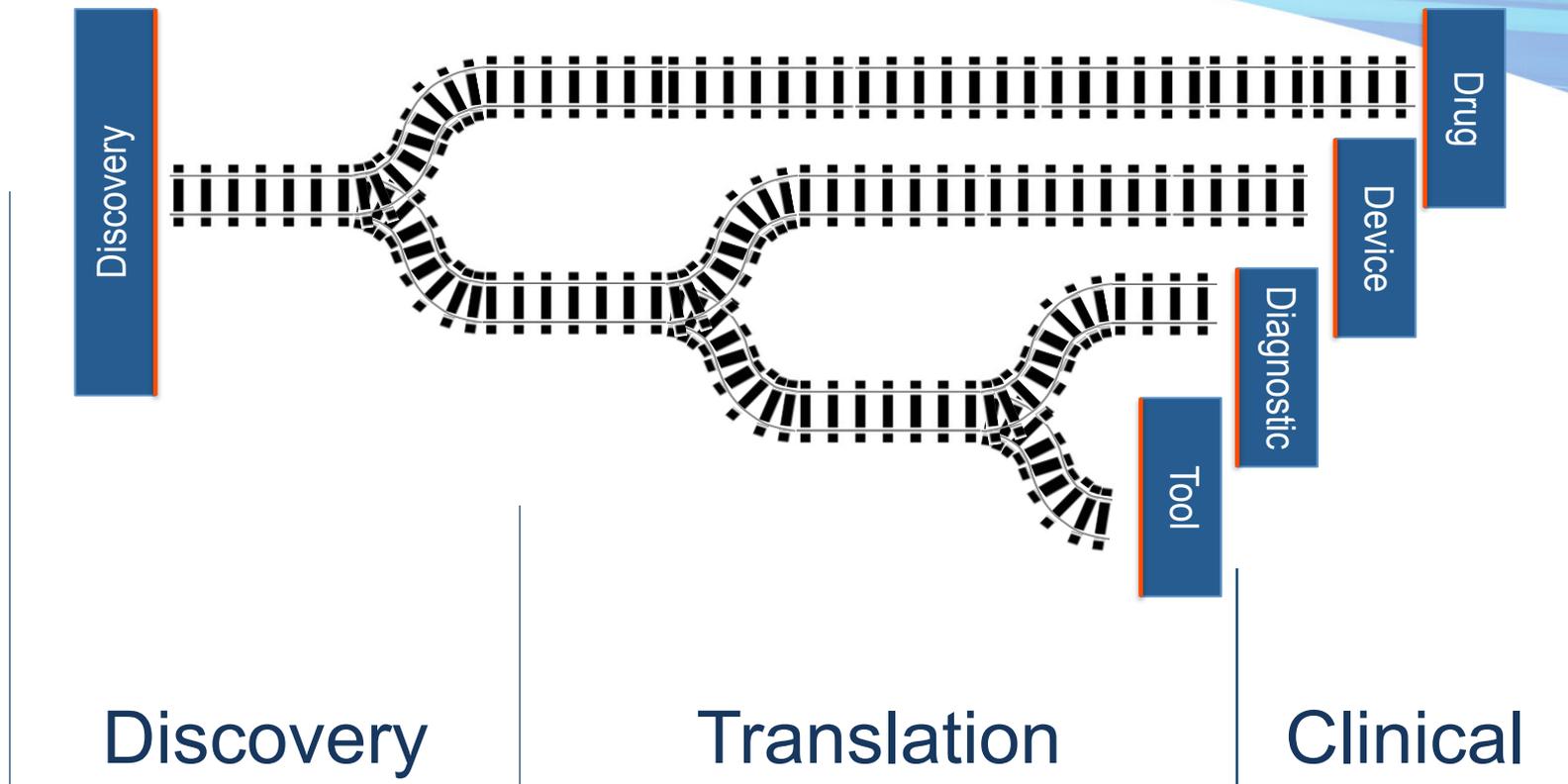


# Pathways to All Successful Outcomes

## CIRM 2.0 Discovery & Translation



# CIRM 2.0 Discovery, Translational & Clinical Working Together



# CIRM 2.0 Discovery, Translational & Clinical Annual Estimates

Development Stage	Standing Programs	Number of Awards	Investment	Totals
<b>Discovery</b>	Inception	26	\$6.5 M	<b>50 Awards \$53 Million</b>
	Quest	20	\$42.5 M	
	Challenge	4	\$4 M	
<b>Translation</b>	Drug	3-4	\$24 M	<b>12 Awards \$40 Million</b>
	Device	2	\$4 M	
	Diagnostic	2	\$4 M	
	Tool	3-5	\$8 M	
<b>Clinical</b>	IND Enabling	3-4	\$20 M	<b>12 Awards \$100 Million</b>
	Clinical Trials	5-7	\$70 M	
	Accelerating	1-2	\$10 M	
<b>Totals</b>	<b>10</b>	<b>70-75 Awards</b>	<b>\$193 Million</b>	<b>70-75 Awards \$193 Million</b>

New

# Four Areas Targeted for Improvement

## CIRM 2.0 Discovery & Translation



DISCOVERY  
TRANSLATIONAL  
CLINICAL  
EDUCATION  
INFRASTRUCTURE

- CIRM 2.0 **Discovery** Stage Concept Plan
  - Optimized Review for High Volume Applications
  
- CIRM 2.0 **Translation** Stage Concept Plan