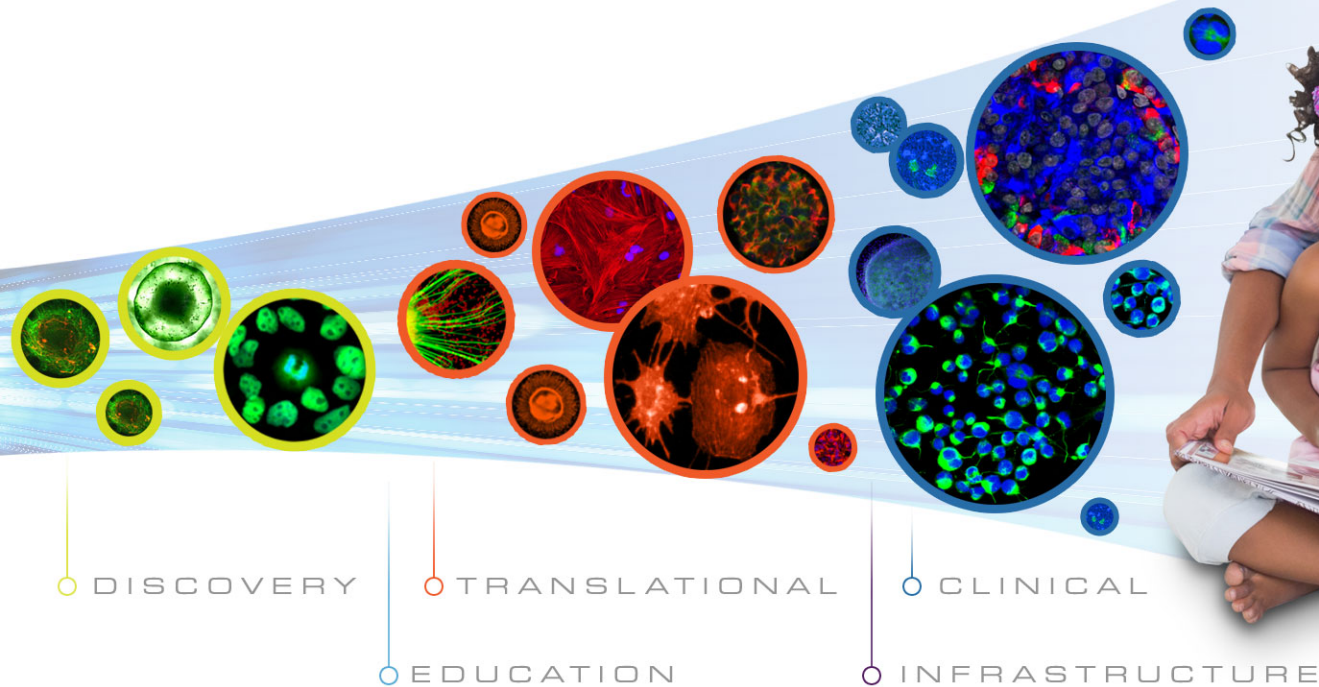


July 23, 2015

CIRM

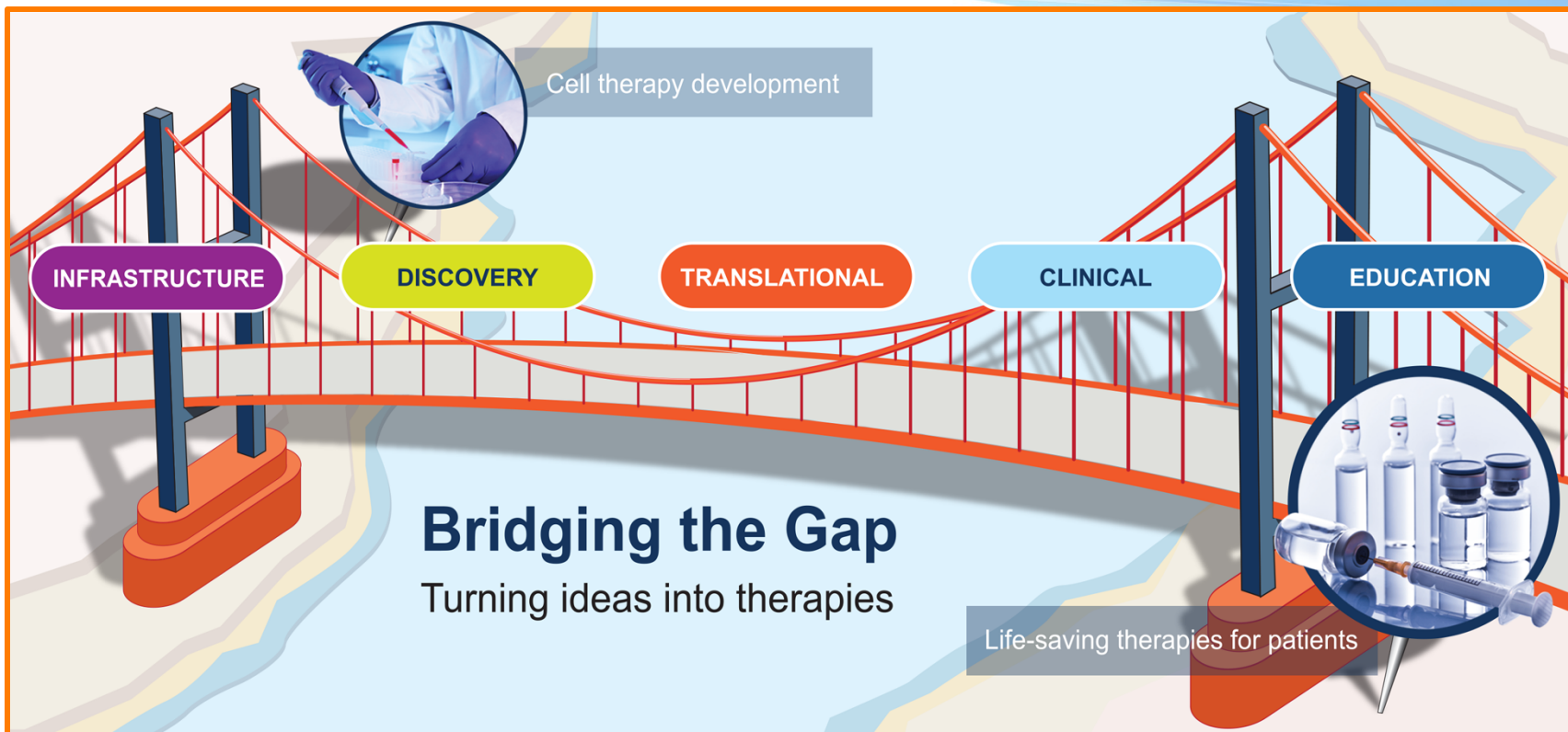
CALIFORNIA'S STEM CELL AGENCY



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



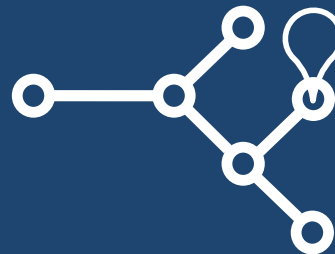
**Continuous, Predictable
Pathway**



Prescribed Progression



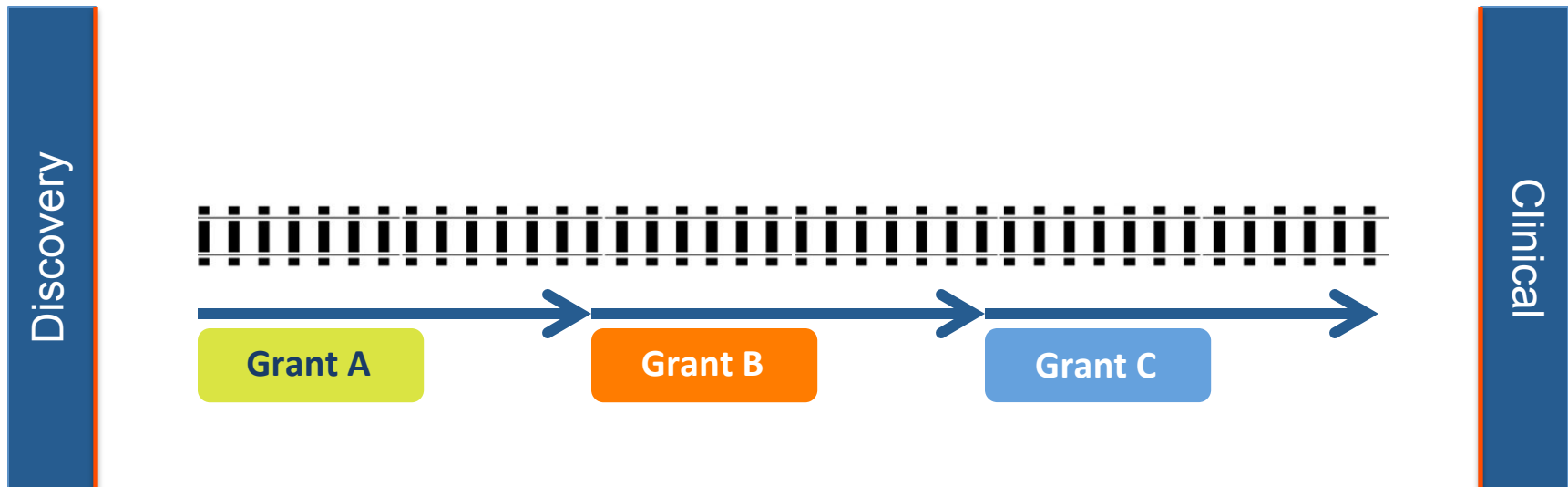
Responsive



**Multiple Development
Pathways**

Continuous, Predictable Pathway

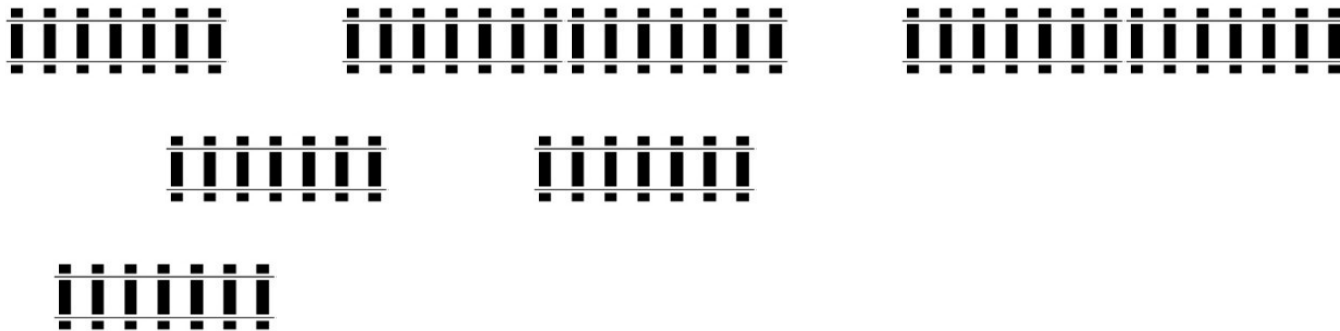
CIRM 2.0 Discovery & Translation



Continuous, Predictable Pathway

CIRM 2.0 Discovery & Translation

Discovery

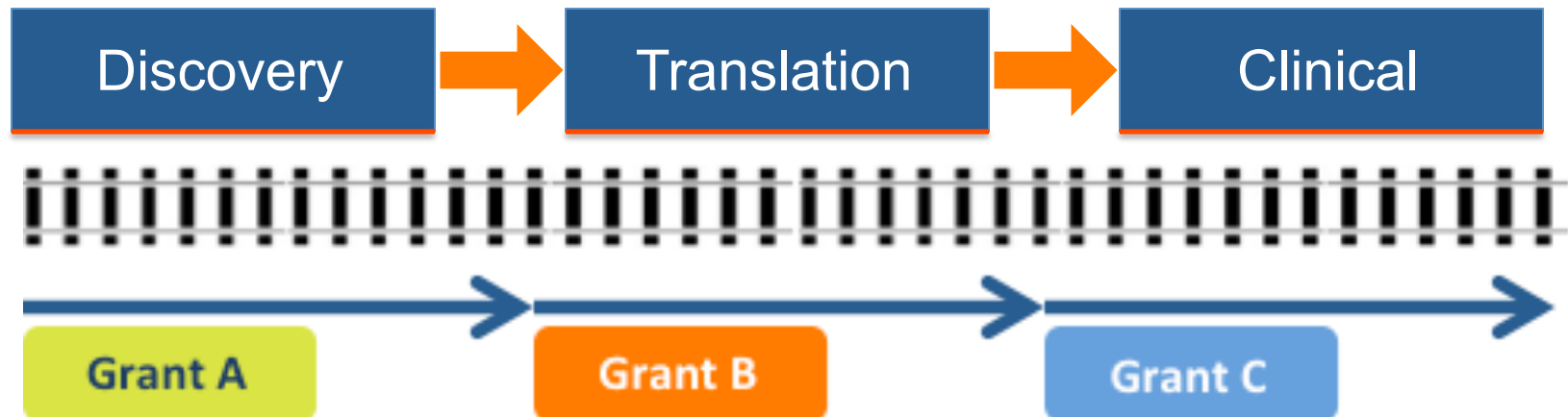


Clinical

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

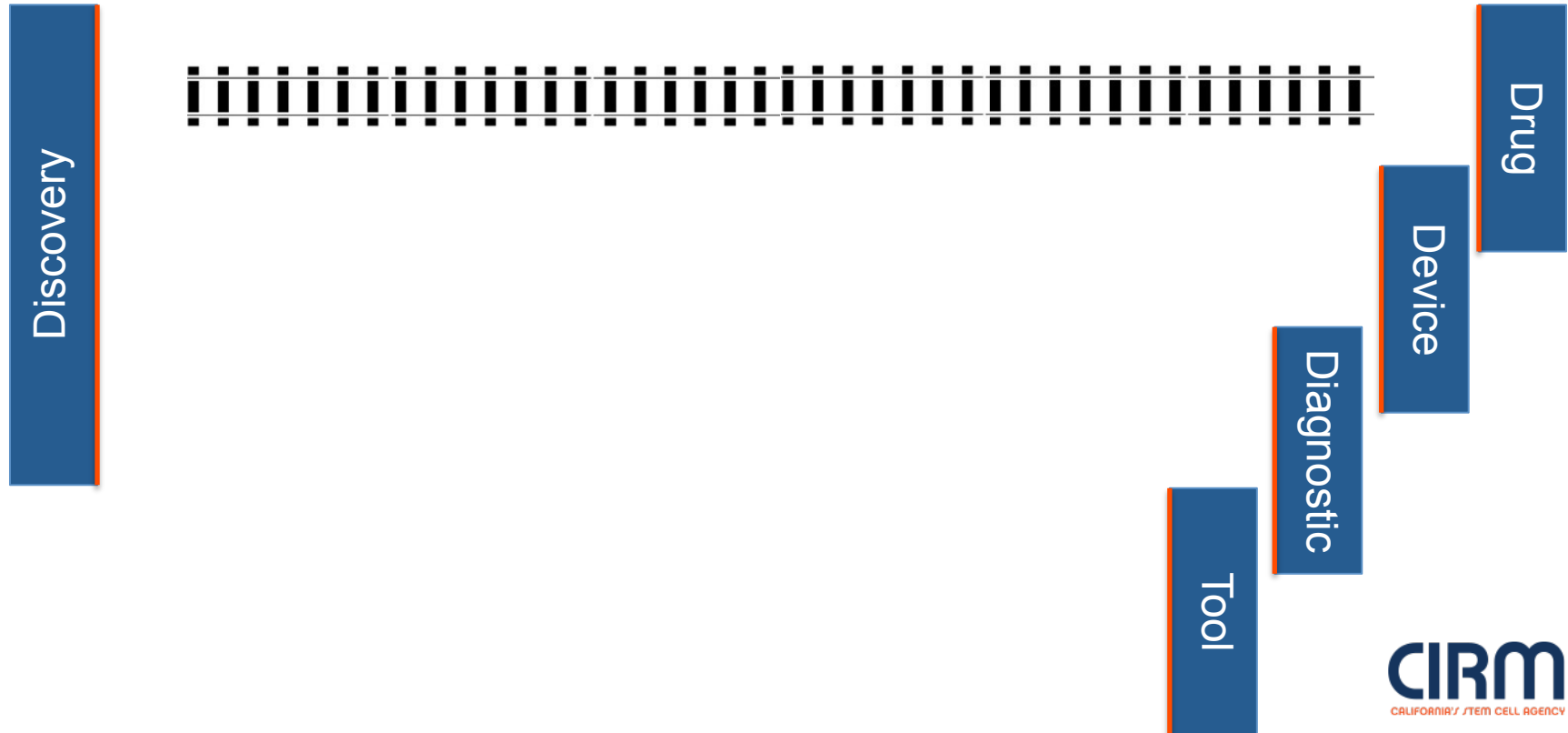
Clinical/Commercial



Downstream
Roadblock

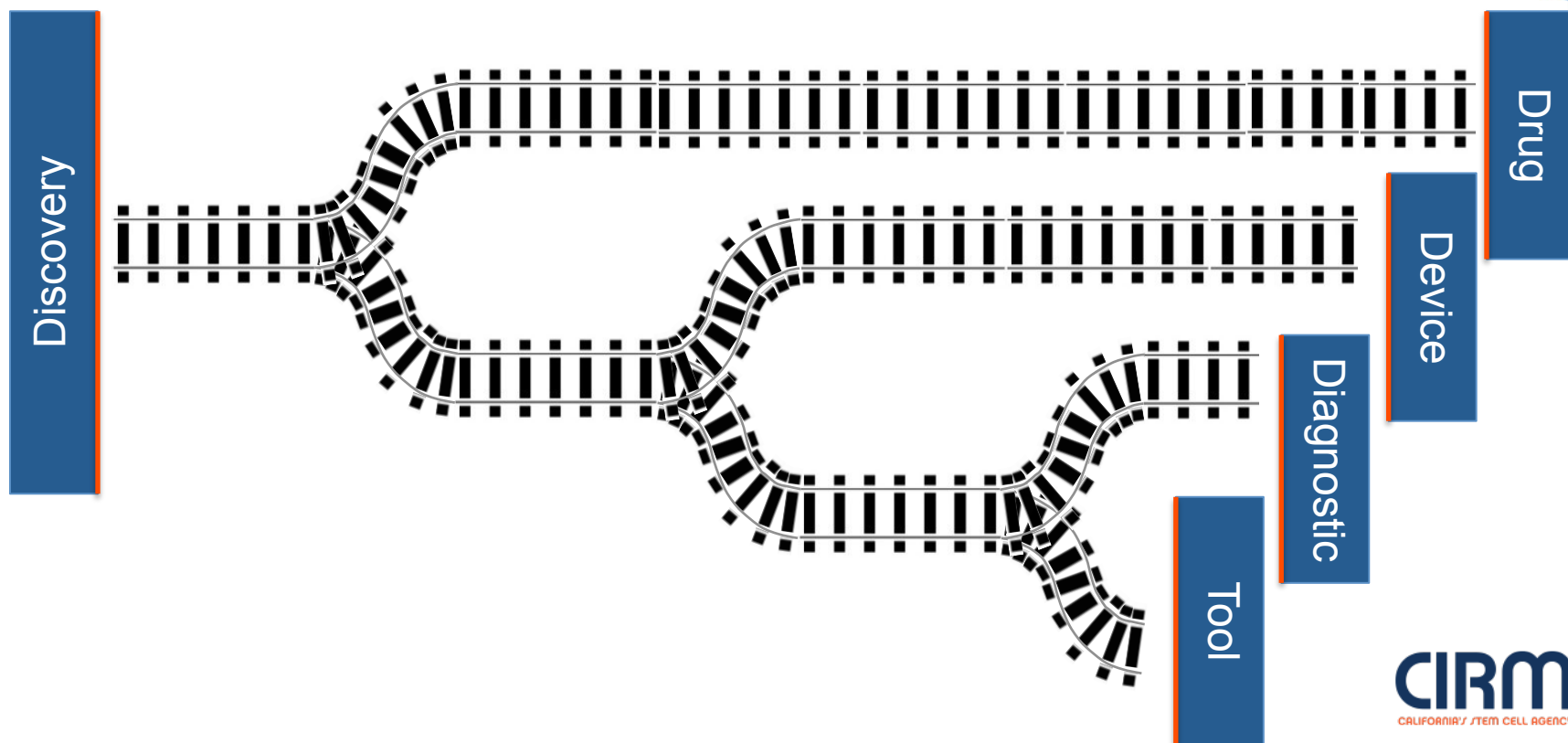
Pathways to All Successful Outcomes

CIRM 2.0 Discovery & Translation

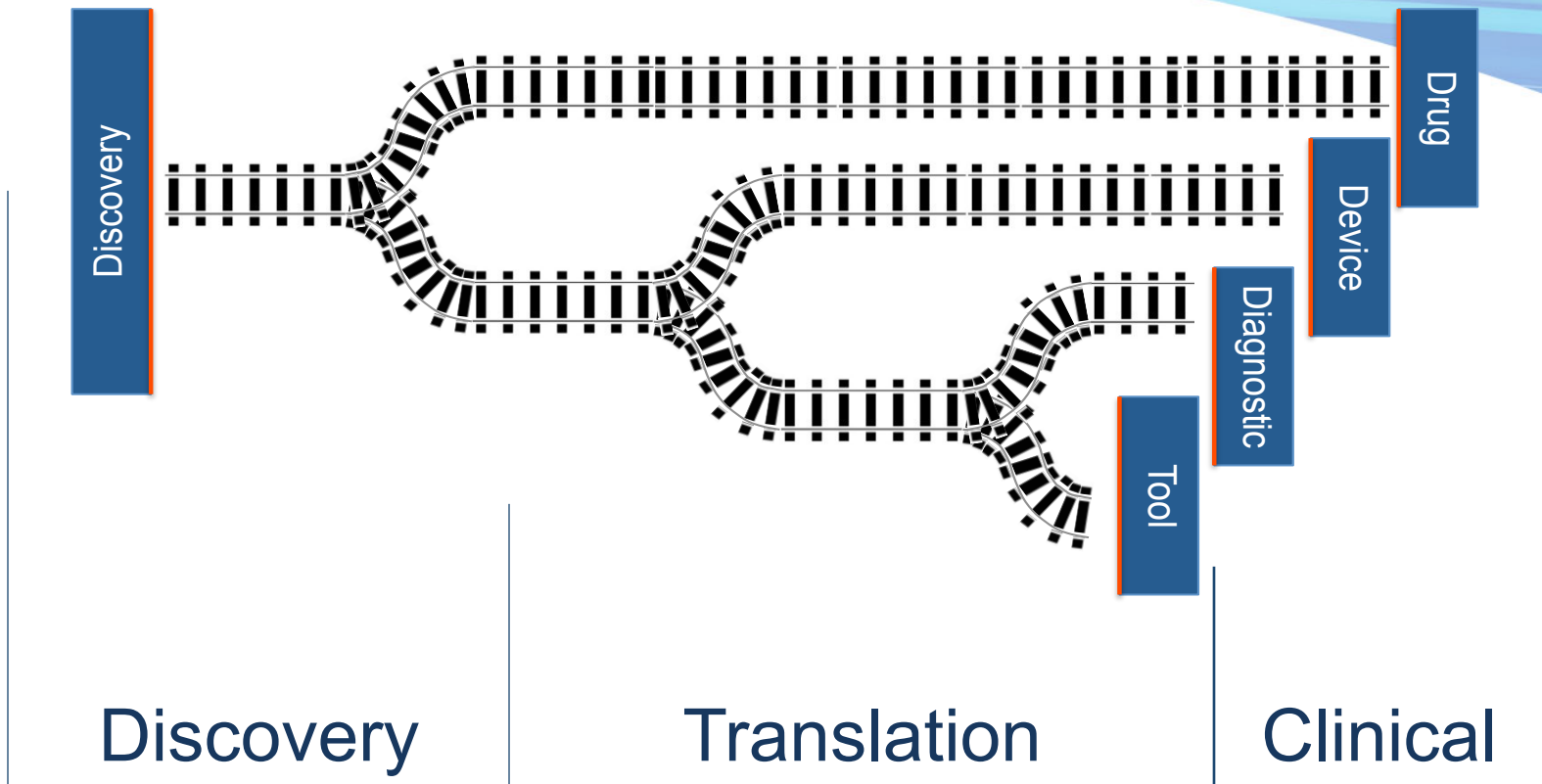


Pathways to All Successful Outcomes

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
Discovery	Inception	26	\$6.5 M	50 Awards \$53 Million
	Quest	20	\$42.5 M	
	Challenge	4	\$4 M	
Translation	Drug	3-4	\$24 M	12 Awards \$40 Million
	Device	2	\$4 M	
	Diagnostic	2	\$4 M	
	Tool	3-5	\$8 M	
Clinical	IND Enabling	3-4	\$20 M	12 Awards \$100 Million
	Clinical Trials	5-7	\$70 M	
	Accelerating	1-2	\$10 M	
Totals	10	70-75 Awards	\$193 Million	70-75 Awards \$193 Million

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