

Fundamental Research: An Investment in the Future of Transformative Cancer Therapies

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WORLDWIDE RESEARCH & DEVELOPMENT

DISCLOSURE STATEMENT

- I am an employee and shareholder of Pfizer.

The Cancer Moonshot

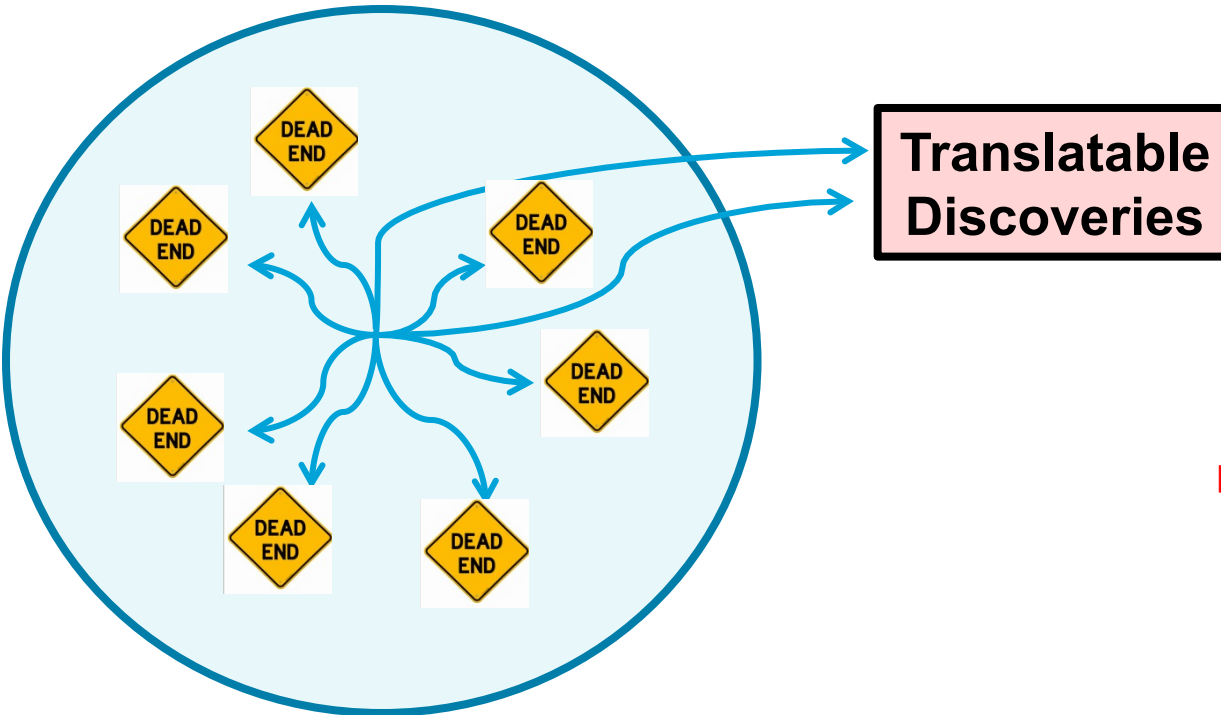


- The Cancer Moonshot aims high: the “dream” is to form large coalitions of scientists funded to achieve a transformative goal, akin to putting a man on the moon.
 - ❖ Example – a curative vaccine for pancreatic cancer
- However, transformative, “big hairy audacious goals” can only be successful if based on a strong foundation of fundamental building blocks – findings that sometimes appear far afield from moonshot objective.



All Medicines are Created on the Foundation of Fundamental Research

BASIC RESEARCH



Great Researchers
Fail Forward

What many people think



What successful researchers know

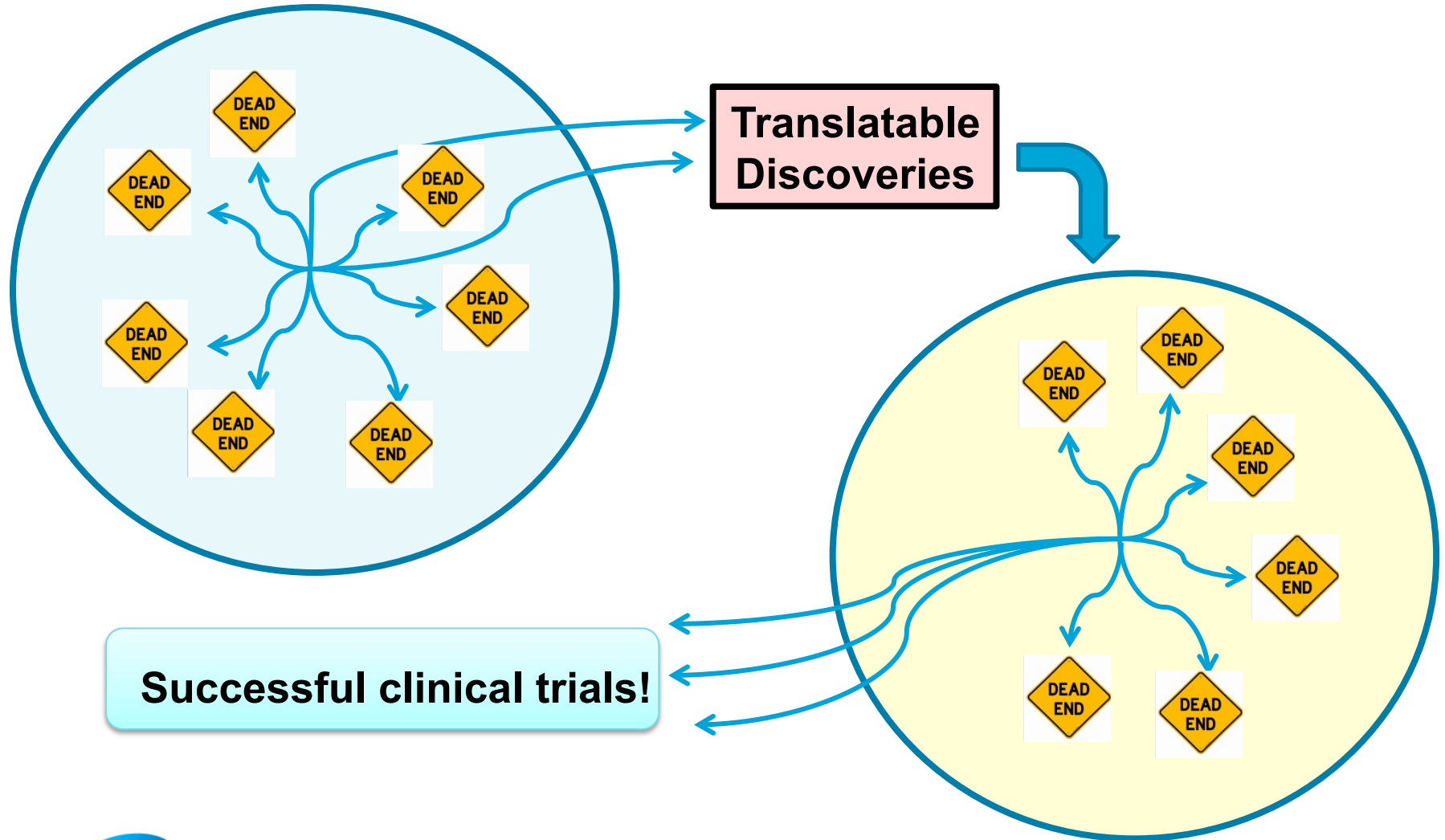


@douglaskarr

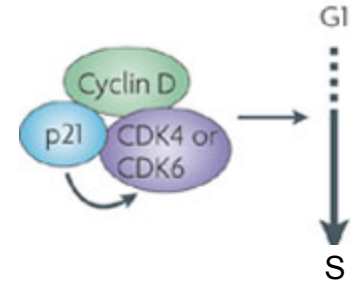
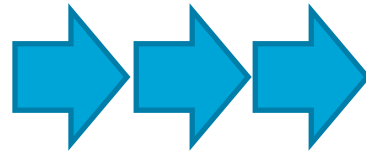
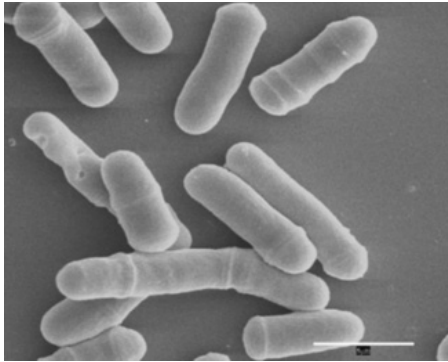


Biomedical Science is an Intricate Ecosystem Involving Both Academia and Industry

BASIC RESEARCH



Palbociclib (IBRANCE™): A Case Study of the Journey from Basic Discovery to Breakthrough Medicine



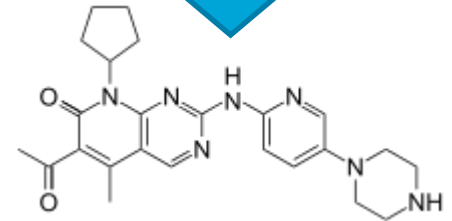
Discovery of Cyclin-CDKs as drivers of cell proliferation

Confirmation of Cyclin-CDK model in mammals

Discovery of Cyclin-CDKs as drivers of cell proliferation

Accelerated Approval in Feb. 2015

Clinical trial patient population



Enzyme assay and drug design



WORLDWIDE RESEARCH & DEVELOPMENT

***“Basic scientific research
is scientific capital.”***

— **Vannevar Bush**, first director of the Office of Scientific Research and Development, in 'Science - The Endless Frontier: A Report to the President' (Jul 1945).



Cancer Drug Development: *From Bench to Bedside...and Back to the Lab Again*

