

NCATS Day

Partnering with Patients for Smarter Science

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NCATS Mission



To catalyze the generation of **innovative methods and technologies** that will enhance the development, testing and implementation of diagnostics and therapeutics across a wide range of human diseases and conditions.



What is Translation?

Translation is the process of turning observations in the laboratory, clinic, and community into interventions that improve the health of individuals and the public – from diagnostics and therapeutics to medical procedures and behavioral changes.



What is Translational Science?

Translational Science is the field of investigation focused on understanding the scientific and operational principles underlying each step of the translational process.

NCATS studies translation as a scientific and organizational problem.



The NCATS approach

- **Catalytic** – to enable others to perform more efficient and effective translation
- **Generalizable principles** – Uncovering fundamental principles shared among diseases and processes to accelerate translation
- **Innovative** – supporting new ways of conducting research that accelerates the translational process
- **Collaborative** – utilizing the expertise of people and groups needed to carry a treatment through translation
- ***Patient-focused***: the perspectives of and partnerships with patients are crucial. As a result, we look for opportunities to include the patient perspectives.

From the NCATS Strategic Plan



Translation is a team sport

Requires top performers with a wide variety of different expertise to work together to a common goal



The Scientific Method



Observations...



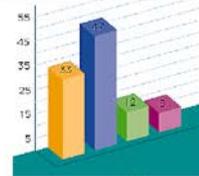
lead to Questions.



Questions form Hypotheses.



Hypotheses must be tested through experimentation.



Analyze Data!



Draw Conclusions!



Share Results!

NCATS is applying the Scientific Method to Patient Engagement (PE)

	Observations...
	lead to Questions.
	Questions form Hypotheses.
	Hypotheses must be tested through experimentation.
	Analyze Data!
	Draw Conclusions!
	Share Results!

- PE improves translational projects, making them more efficient and/or effective.
- Would PE help all NCATS projects? If so, what are the generalizable principles for PE, e.g., stages of translational process and metrics for improvement?
- Hypothesis: PE in all NCATS projects will improve translational efficiency and effectiveness.
- This is one reason we are all here today. How can we test this hypothesis, and advance the interests we all share?



Today NCATS staff from top to bottom are here to **listen and learn from YOU.**

Today's goals:

- Lightning-short presentations on NCATS programs, focused on their patient engagement activities
- Feedback from you on our current activities
- Identify how your group might engage with NCATS
- Identify new needs and opportunities
- Formulate **actionable** next steps, and **tangible** avenues for joint communication, efforts, research collaborations...
- And any other ideas you have! (Please do not self-filter!)

