

Translational Research Framework: Rings and Nodes



The NIEHS Translational Research Framework Enables Us To:

- Categorize research into rings and nodes
- Count translational bridges between nodes and across rings
- Capture a full translational narrative over many years
- Identify research gaps
- Communicate a concrete concept of translational research
- Actively manage bridging science
- Provide a path for researchers to see where research might go

Translational Research Resources

- Downloadable graphics for you to edit
- Checklist to assess category criteria
- Case study writing protocol
- Sample translational research stories
- Articles related to translational research
- Translational story template

All resources available at <u>www.niehs.nih.gov/translation</u>

You can complete this page for each translational bridge you want to document. Answering the questions under th bridge graphic will help you think about context and give you extra details to enrich your story.
Bridge From: • (Describe the starting point of the translational research story)
Bridge To: (Indicate Ring/Node)
Select one of the five rings and describe translational activity
Fundamental Science Interactions Ring Driver:
Experimental Setting:
Organism:
Translational Research Ring/Node:
Timeframe:
Collaborators:
Collaborator 1
Collaborator 2
Collaborator 3
Citations:
Citation 1
Citation 2
Citation 3
Translational Bridge
and the state of t
Translational Narrative: What led to the next step? How did the idea evolve? What needed to happen (collaborations, tools, technologies, serendipity) to cross the translational bridge? How did you know what to do next?

ranslational Bridge Details

Milestone Timeframe:	Fundamental Questions
Description: Partners: Citations:	Experimental Setting: Organism: Identification Observation Understanding Experimental Settings: In Vitro Ex Vivo In Vitro In Silico In Silico Population/Group
Context:	

Project Title/De	script	ion
Reviewer Name	_	
	_	
Total Number of	f Fund	damental Question Mi
Total Number of	f App	lication and Synthesis
Total Number of	f Impl	ementation and Adju
Total Number of	f Prac	tice Milestones
Total Number of	f Imp	act Milestones
Grand Total		
•	-	al) Questions – Mark make multiple copies
		is the research trying
Identification		Is the research seeki
Identification		
Identification		Does the research ha
Identification Observation		Does the research ha Does this research in
		Does the research ha Does this research in Is the research seekin Is the research drawi
		Does the research ha Does this research in Is the research seekin Is the research drawin Is the research organ
		Does the research ha Does this research in Is the research seekin Is the research drawi Is the research organ Is this a genome wide
		Does the research ha Does this research in Is the research seekir Is the research drawi Is the research organ Is this a genome widd Does the research in
		Does the research ha Does this research in Is the research seeki Is the research drawi Is the research drawi Is the research organ Is this a genome wid Does the research in measuring breast dei
		Does the research ha Does this research in Is the research calculated Is the research draw Is the research draw Is this a genome widd Does the research in measuring breast der Does the study use a
Observation		measuring breast der Does the study use a Is the research attem
		Does the research in Does this research in Is the research drawi Is the research drawi Is the research drawi Is this a genome widd Does the research in measuring breast der Does the study use a Is the research attem Is the study manipula
Observation		Does the research ha Does this research in Is the research calculated Is the research draw Is the research draw Is this a genome widd Does the research in measuring breast der Does the study use a
Observation		Does the research ha Does this research in is the research seekin is the research drawin is this a genome widd Does the research in measuring breast der Does the study use a is the research attem is the study manipula process or effect?
Observation		Does the research in Does this research in is the research seekin is the research organ is this a genome widd Does the research organ the search organ the search organ beas the search attem is the research attem is the study manipula process or effect? Is a tool, method, tect
Observation		Does the research in Does this research in Is the research seekin Is the research drawin Is this a genome widd Does the research intime measuring breast dei Does the research attern Is the research attern Is the study manipula process or effect? Is a tool, method, teo or activity?
Observation Understanding What is the organ		Does the research in Does this research in is the research seekin is the research organ is this a genome wid Does the tresearch organ the research organ Does the study use a lis the research attern is the study use a lis the research attern is the study manipul process or effect? Is a tool, method, ter or activity? Is the objective to ca Is an intervention be

Environmental Health Sciences Translational Research Framework

Kristianna Pettibone, PhD; NIEHS Program Analysis Branch







If you have comments, please email trf@niehs.nih.gov & visit www.niehs.nih.gov/trf for more information

Acknowledgements

- Kristi Pettibone, Claudia Thompson, Demia Wright

• NIEHS, DERT Translational Research Framework Workgroup: David Balshaw, Caroline Dilworth, Christie Drew, Michelle Heacock, Alfonso Latoni, Kimberly McAllister, Liam O'Fallon,

• The Environmental Health Sciences Core Centers and the Evaluation Advisory Subcommittee for the 2015 Core Centers Evaluation; • NIEHS and NIH colleagues, grantees and members of the public who provided comments and suggestions on the framework