

Division J Dissertation Award Committee

Benjamin Baez, Florida International University (Chair) Amy Bergerson, University of Utah Deborah Carter, University of Michigan John Cheslock, Penn State University Jay Dee, University of Massachusetts, Boston Aaron Kuntz, University of Alabama Valerie Lundy-Wagner, University of Pennsylvania Amy Wells, University of Mississippi

Research Context 20 Research-active professors Introductory STEM Teaching Majors and Non-Majors 2 Major, Research I, Universities











Teaching Improvement Effort			
What	How	Why	Pathways
Key Features	Mechanisms	Influences	Resource Enactment

ms Influences Resources

Conceptual Framework <u>Fo Venture</u> To dare to give, put forth...to brave the risks or changes of a journey, voyage, etc; to dare to go or proceed...to make a trial of; to attempt or undertake (something of a dangerous or difficult nature) without assurance of success. Oxford English Dictionary

ms Influences Resources



Outline		
Design and Method	Research Questions	
	Sites	
Results	Sampling	
	Data Sources	
Conclusions	Data Analysis	

Design and Method		
Research Questions	1. What are the key features of	
Sites	2. What are the mechanisms involved in	
Sampling		
Data Sources	3. What influences contribute to	
Data Analysis	4. What resources do research- active STEM professors draw on in their	









Design and Method - Sampling	
Selection Methods	
Size and Disciplines	
Gender, Race and Ethnicity	







Design and Method - Sampling	
Selection Methods	
Size and Disciplines	
Gender, Race and Ethnicity	







GROUNDED THEORY APPROACH

Design and Method			
	Research Questions		
	Sites		
	Sampling		
	Data Sources		
	Data Analysis		











Outline		
Design and Method		
Results		
Conclusions	Propositions	
Conclusions	Implications	

Conclusions – Propositions

Research-active STEM professors' ventures toward better teaching exist and are possible at major research universities.

Their ventures toward better teaching proceed through creative and strategic designs.

Their ventures are situated by internal and external forces that propel them forward.

They are aware of and enact a diverse array of resources in their ventures toward better teaching.

Conclusions - Implications		
Research	Assessment	
Practice	Joint Work	
Policy	Personnel	





