

A multi-institution, multi-discipline approach to transforming undergraduate STEM education



Leadership Team

Jessica Santangelo

Lawrence Hobbie

Hofstra University

Adelphi University

Hofstra (STEM)² Network Participants: Biology: Jessica Santangelo, Mike Dores, Steve Raciti; Math: Gillian Elston, Kira Adaricheva; Chemistry: Emily Mundorff, Sabrina Sobel

NYC/LI Network

nterdisciplinary

Teaching

Transfer

Pathways

Institutional

Systems

Mathematics

Access to UG

Research

Background The Sustainable, Transformative Engagement across a Multi-Institution/Multidisciplinary STEM, (STEM)² "STEM-squared", Network addresses challenges to STEM education reform by bridging disciplinary and institutional silos and helping faculty leverage the reward structure of the current system as they work to transform the system from the inside.



⁴Watson et al. 2008. Systems design for change in education and training. Handb. Res. Educ. Commun. Technol. 691–701. ⁵Henderson et al. 2010. Beyond Dissemination in College Science Teaching: An Introduction to Four Core Change Strategies. J. Coll. Sci. Teach. 39, 18-25

This material is based upon work supported by the National Science Foundation under Grant No. 1919614. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation