

# Project Kaleidoscope

## Findings from the Inquiry Task Force

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# Approach

- Select 10 campuses in the PKAL Leadership Initiative that are making progress in achieving their goals for improvement
- Request campus case reports that address questions related to improvements that have been achieved
- Two-member team visits each campus to interview faculty members and administrators
- Synthesize results to share with PKAL LI teams and more widely

# PKAL Themes

- Science for All
- Interdisciplinarity
- Research Rich

# Change Foci

- Curriculum
- Faculty
- Structures

# Activity

- Think – Team – Share
- Think
  - Individual
- Team
  - Collaborate and reach a common response
- Share
  - Whole seminar

# Question

- Formulate a question that would be helpful to the LI efforts on your campus and that might be addressed from the findings of the ITF.

# Questions

- How do you engage individual faculty members on long-term systemic change, e.g., the move to student-active learning?
- What themes, issues, trends, etc., did the ITF discover that would be of significant help in advocating for STEM resources to system level administrators and/or garnering legislative support for STEM reform?
- What were some of the faculty development initiatives that worked and produced measurable and sustainable results?
- What were the best practices emerging from the efforts and experiences of the research rich institutions?
- Is there evidence that a revised and forethoughtfully designed general education curriculum improves the recruitment of undergraduates in science and math?

# Science for All

- Curriculum Changes
  - Core Curriculum Changes
  - Introductory Science Courses
    - Majors
    - Non-majors
- Curriculum Changes
  - Content
  - Teaching Approach
- Student Support
  - Peer teachers
  - Supplemental instruction
  - Mentoring

# Interdisciplinarity

- Interdisciplinary Courses
- Interdisciplinary Programs, Minors, Concentrations
  - Women's Studies
  - Environmental Studies
  - Neuroscience
  - Bio-something

# Interdisciplinarity

- Interdisciplinary Research
  - Faculty Collaborations
- Interdisciplinary Faculty
- Interdisciplinary Space
- Interdisciplinary Faculty Development Opportunities

# Research Rich

- Undergraduate Research
- Poster Sessions