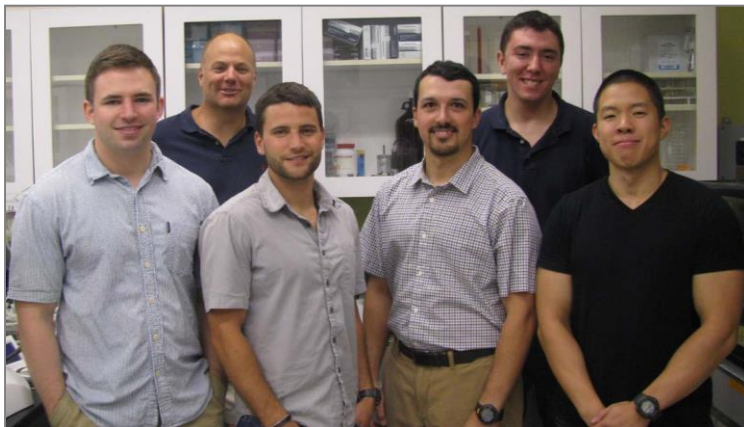# Education, Outreach and Diversity Partnerships

Targeted education and outreach partnerships to increase diversity in materials research

Military Veterans
Community College students
Native American students

Princeton-Harvard MRSEC Collaboration:
Holiday Lecture for Families

Professor Howard Stone leads children in a demonstration of water dissolving a salt crystal (photo by Eliza Grinnell).

Materials Science &
Native American Students

Bridging indigenous science and materials science:

Harvard Native American High School Program

Solubility, Emulsions, Flavor, Polymer Networks –

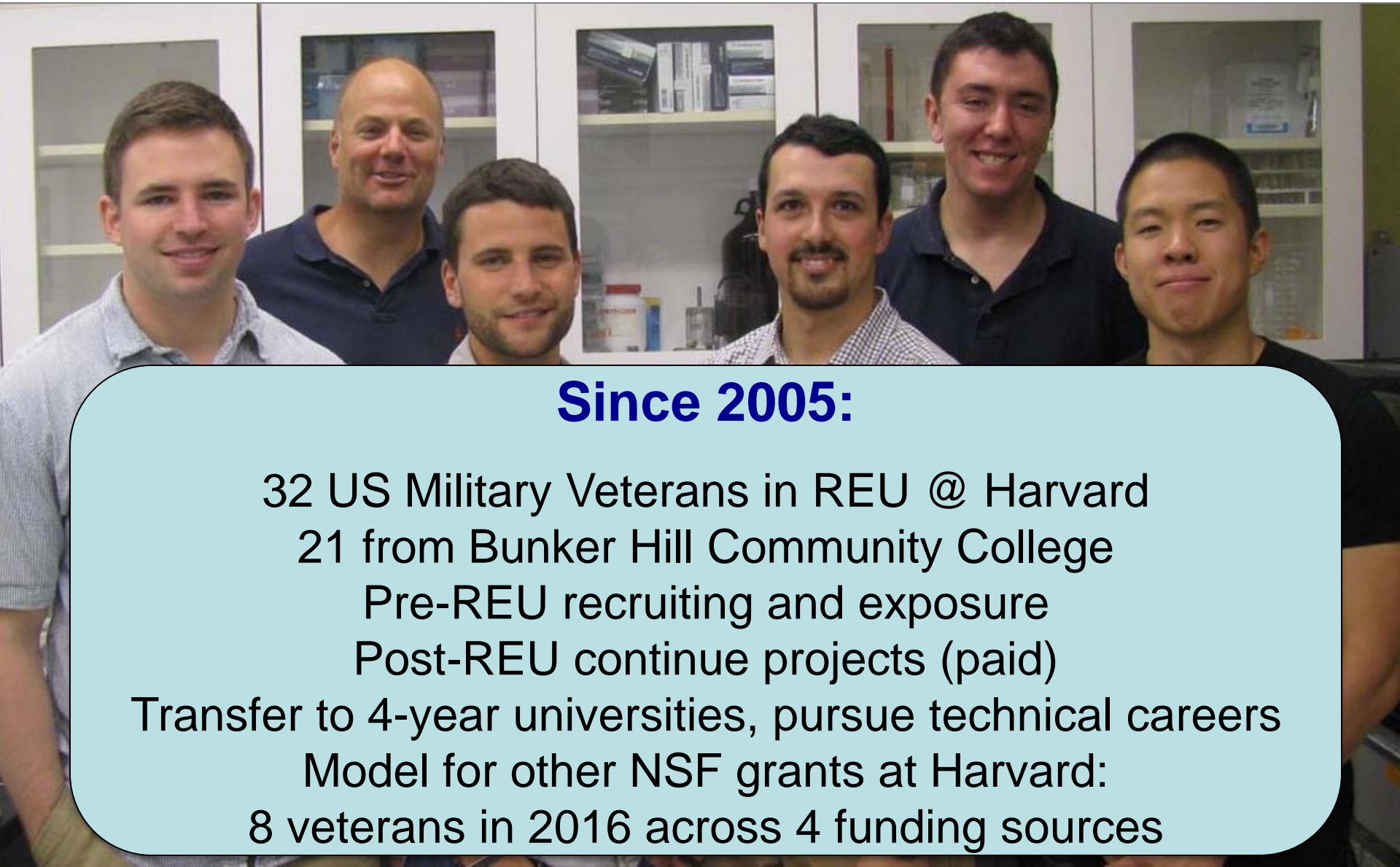**Through the lens of indigenous foods**

Materials Science & Native American Students

Bridging indigenous science and materials science:

Harvard Native American High School Program

Collaborators for working with Indigenous Communities, including networked opportunities

Research Experiences for Veterans

Since 2005:

32 US Military Veterans in REU @ Harvard
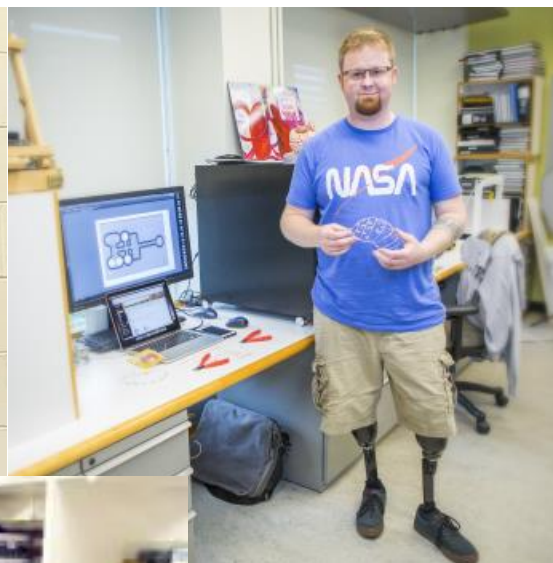21 from Bunker Hill Community College
Pre-REU recruiting and exposure
Post-REU continue projects (paid)
Transfer to 4-year universities, pursue technical careers
Model for other NSF grants at Harvard:
8 veterans in 2016 across 4 funding sources

Expanded Veteran Recruitment
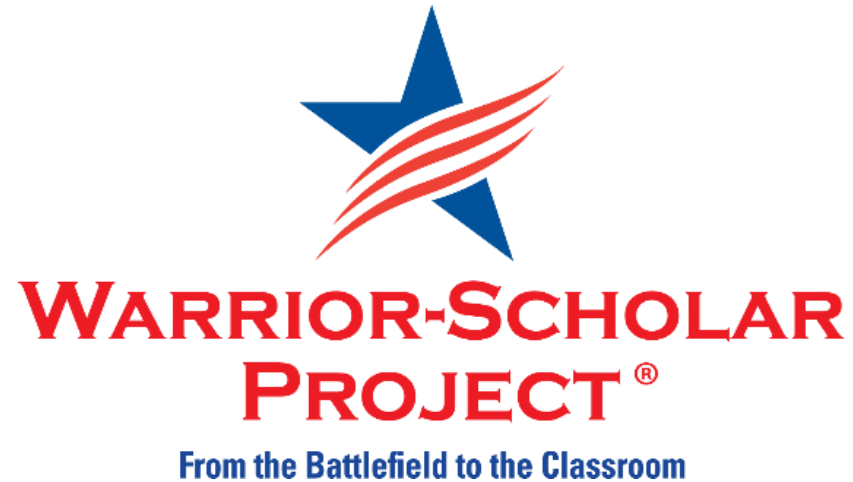
Expanded Veteran Recruitment

Local relationships work best,
especially for veterans with families

Build a network of opportunities for veterans nationwide

New partner: Warrior Scholar Project

New Partnership – Warrior Scholar Project

- 500+ alumni
- 1-2 week "boot camp"
- 1st week - liberal arts
- 2nd week (new) – STEM
- 75% of veterans interested in STEM careers
- WSP is looking for new partners
- Current sites: Harvard, Yale, Cornell, University of Michigan, University of Chicago
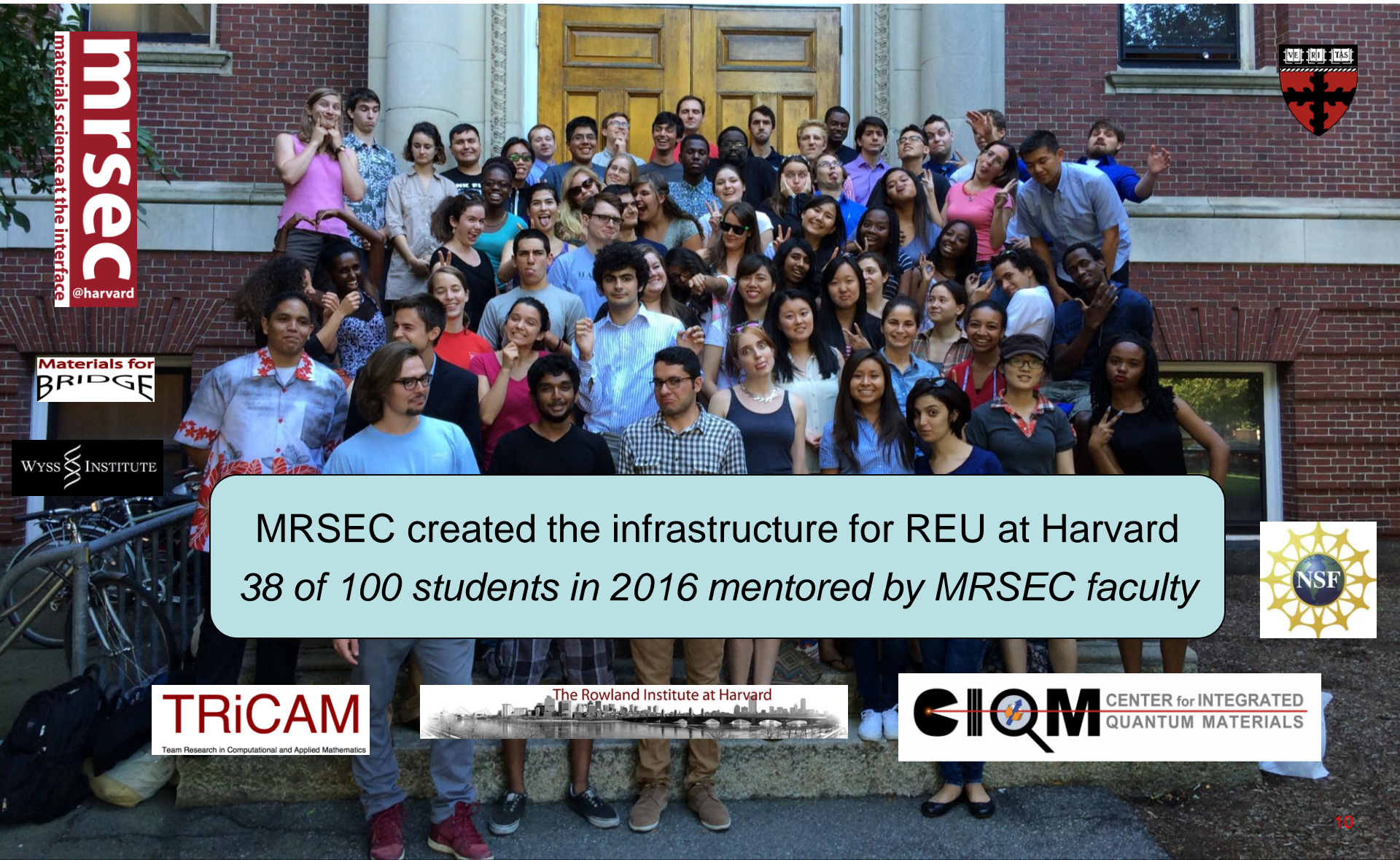
Summary

I am looking for collaborators in:

- Native American recruitment –

   high school, undergraduate, post-baccalaureate, graduate, and postdoc programs

- Nationwide programs for military veterans

mrsec @harvard
materials science at the interface

Research Experiences for Undergraduates

MRSEC created the infrastructure for REU at Harvard

38 of 100 students in 2016 mentored by MRSEC faculty