Scott Page – University of Michigan
Importance of diverse groups for solving complex problems, identity and cognitive diversity are critical - need people with diverse tools and experiences, work on complex problems with diverse backgrounds

Wesley College – Malcolm D'Souza and friends
Could we make FYS project/research based? We need to publish curricular and pedagogical innovations in education journals.

Erika Camacho – Arizona State
Let students pick topics for projects that appeal to them. Faculty don’t need to be experts on projects. Student ideas can drive faculty research.

St. Olaf Center for Interdisciplinary Research – Matthew Richey
Experiment with teams of Smith students in special studies as research collaborators, works well across divisions. St. Olaf highly successful with teams of 3 students as quantitative collaborators (not consultants).

North Seattle College – Ann Murkowski and Kalyn Owens
Combined 1st year chemistry and biology, inspiration from Project Zero at Harvard, use Atoms to Ecosystems, year-long program they have done for a decade

Seattle Pacific University – Derek Wood and friends
Integrating Authentic Research in Curricular to Teaching Scientific Inquiry and Enhance Student Learning, very impressive talk and model, check out their platform for course based research with multiple projects and lots of tools - http://www.geni-science.org/contact/ been doing this for 15 years, model proteins in biochem, culture and assay proteins in subsequent cell bio, think about sustainable research model using course based research to bridge summer research, might be more productive way to think about this than special studies...

WPI – Kris Wobbe and friends
Great Problems Seminars, like our FYS but project based, lots of group work and student development, not content focused, co-taught with up to 60 students, help students shift from knowledge consumers to knowledge producers, book recommendation, Team Writing by Joanna Wolf

Nancy Cantor – Rutgers Newark
Widen the road to STEM diversity, look for diverse talent in rural and urban settings, and at Community Colleges, need careful bridging between developmental steps, recommended Nature article “Careers: On the lookout for true grit”, need diversity and inclusion together, change environment in STEM classes
Poster Session

- We need better classrooms for innovative teaching like the TEAL classrooms, for example [http://icampus.mit.edu/projects/teal/](http://icampus.mit.edu/projects/teal/)
- Great ideas about improving teaching from UBC and the Carl Weiman Science Education Initiative - [http://www.cwsei.ubc.ca/](http://www.cwsei.ubc.ca/)