

Discussion Session: Collaborative Learning

Discovery Learning Center Goals

The focus of the workshop is to form research groups in focused areas to develop funding proposals. Our goal is to bring together people with shared research interests so that they may form collaborations and perhaps generate white papers on emerging and innovative areas of research. We are committed to encouraging and facilitating further meetings of these groups to provide support for seeking external funding.

General Information

Facilitator: Karl Smith

Number of
Participants: 10

Research Areas

Potential Areas of Research / Key Terms

Given DLC what are the potential areas for collaboration – where do I fit in?

Workforce development for NASA interdisciplinary – esp project teams, learn how to interact with people from other disciplines

Seza – collaborative learning challenges – you need to work together to solve the problem – you need to come up with a problem (project) – How to develop problems/projects – challenge problem

Are we learning from our collaboration?

True collaboration vs. marriage of convenience

How do you help groups collaborative that are sustainable?

Building collaborations? Bringing people together

Start to define a problem – develop capability that permits responding quickly

Learning outcome – how other disciplines are thinking about the problems

Models on campus – EPICS program in eng – great collaborative learning environment -national engineering model

What are Purdue's strengths?

Role in the libraries is inherently collaborative. Where do we fit in information literacy, informatics

(bioinformatics weekend), some grants expect all data to be available? Distributed information repository

John – ability to analyze the data without accessing the data

Monica – in order for a collaboration to work, people must be willing to lay down their ego and work together

Randal – looking at successful collaborations – identifying common characteristics (ability to communicate to non-experts, prioritize, listen, make decision) Identify knowledge and skills to help others learn – grad & under grad.

Learn from interdisciplinary researchers – how we can fuse research outcomes.

Integrate rather than Add (Earth & Atmospheric sciences)

Randal – identify instructional approaches that could be used in a major that would encourage students to collaborate

Needs to be embedded throughout

Cordelia – embed collaborative learning activities and help students see the benefits – skills that they're nurturing

Seza – Our ideas –

What about P&T criteria at the University? Lot of lip service but single authored articles?

Mike – capitalize on people's interest in insects to help them learn science

NSF proposals – broader impact – opportunities for collaboration

Monica – SPACE grant - outreach

Areas of Common Interest

Are there sub-areas of this general topic that are more interesting/relevant? If so, please explain.

Key Contacts for specialty areas:

Potential Funding Partners

Next Steps: Another meeting? Collecting information?

Ideal Outcomes: A proposal? Smaller collaborations? Target deadlines?

Other Notes/Discussion Items