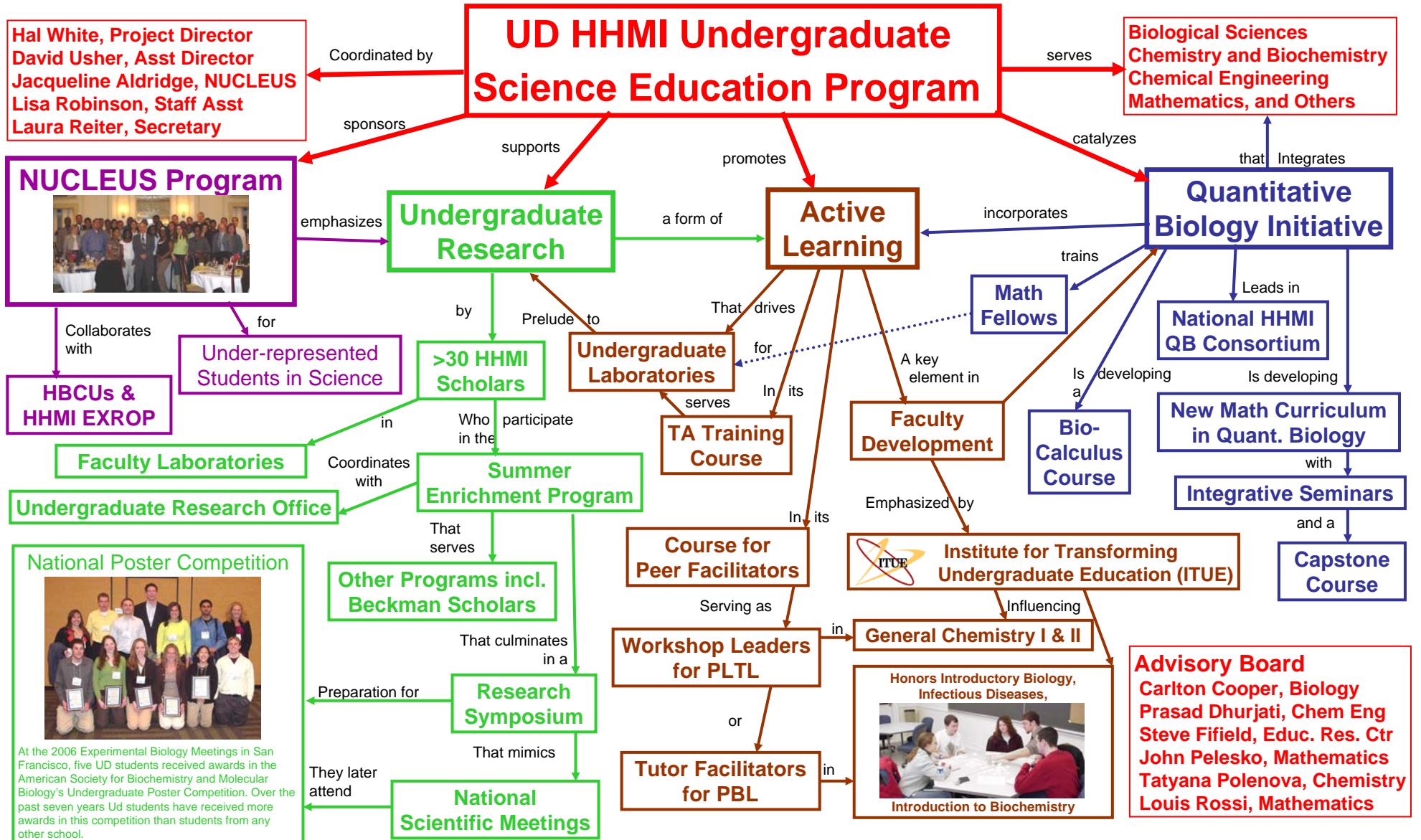




# Stimulating Attitudes of Inquiry Through Problem-Based Learning and Undergraduate Research



...once you have learned how to ask questions -- relevant and appropriate and substantial questions -- you have learned how to learn and no one can keep you from learning whatever you want or need to know.

Niel Postman and Charles Weingartner

Thinkers are not limited by what they know, because they can always increase what they know. Rather, they're limited by what puzzles them, because there's no way to become curious about something that doesn't puzzle you.

Daniel Quinn

When does a scientist become a scientist? It is not when a person knows many facts and even understands in depth some aspect of the natural world. I would suggest the transition occurs when curiosity about a phenomenon leads to an inquiry for new knowledge. This can occur in a person with little or lots of knowledge about a subject. It is *an attitude of inquiry*.

James Bryant Conant