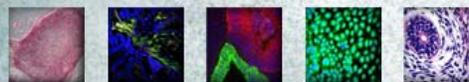


# IMPLEMENTING VISION and CHANGE

Developing concept-driven teaching strategies in biochemistry and molecular biology



## Concept-Driven Teaching Strategies in Biochemistry and Molecular Biology

**NSF-Funded SW Regional Workshop Sponsor:** ASBMB, American Society for Biochemistry & Molecular Biology

See: <http://www.asbmb.org/ucsb2014/>

**Date and Time:** Saturday, February 8, 2014, 8:30 AM - 5:30 PM

**Location:** West Campus Conference Center, University of California Santa Barbara (UCSB)

**Map and Directions:** <http://www.conferences.ucsb.edu/files/docs/residences/west-conf-ctr-map.pdf>

**Cost:** Free

**Pre-registration required** (Registration is closed.)

**Hosts:** **Duane W. Sears**, Professor, Dept. Mol. Cell. and Dev. Biol., University of California, Santa Barbara and Co-PI for the NSF RCN-UBE grant supporting this workshop.

**Ann Wright**, Professor, Dept. Biology, Canisius College

**Keynote Speaker:** **Vicky Minderhout**, Professor and Chair, Dept. Chemistry, Seattle University

### **Meeting Agenda**

- 8:30 – 9:15 am **Arrival and check-in with continental breakfast and beverages provided.**
- 9:15 – 9:45 am **Duane Sears:** “Welcome and overview of workshop objectives and goals.”
- 9:45 – 10:30 am **Vicky Minderhout:** “Effective teaching practices and assessment strategies that promote learning in undergraduate biochemistry.”
- 10:30 – 11:00 am **Ann Wright: Canisius College and Dept. Biol.**  
“Backward design: A framework for building your course.”
- 11:00 – 11:30 am **Duane Sears:** Summary of the three group activities and participant assignments to groups and roles.
- 11:30 – 12:30 am **First group activity** (60 min): Refine your group’s stated learning goal and specific learning objective in sufficiently explicit language for the purposes of designing an assessment and learning strategy.
- 12:30 – 1:30 pm **Lunch provided**
- 1:30 – 2:30 pm **Second group activity** (60 min): Develop an assessment and associated scoring rubrics to measure student learning of your refined specific learning objective.
- 2:30 – 3:30 pm **Third group activity** (60 min): Develop a student centered strategy designed to promote student learning of your refined specific learning objective either in the context of a classroom or laboratory activity. Finalize and electronically submit your completed alignment table created during the 3 group activities.
- 3:30 – 3:45 pm **Coffee break and snacks provided**
- 3:45 – 4:45 pm **Group reports** (10 min each) Group reporters summarize the specific learning goals for your group and the assessments, scoring rubrics, and learning strategies recorded on your alignment table.
- 4:45 – 5:30 pm **Duane Sears:** Workshop summary with time allotted for additional discussion.
- 5:30 pm **Workshop concludes:** Participants are encouraged to continue networking while lingering with cheese, crackers, and fruit snacks provided.