ASBMB-RCN Workshop: Assessment of Students’ Reasoning with Core Concepts and Visualizations in Biochemistry and Molecular Biology

Marymount Manhattan College
Saturday, January 12, 2013, 9:00 AM – 5:00 PM

Workshop Team:
- Hal White, Co-PI on ASBMB-RCN grant, Director, HHMI Undergraduate Program, Department of Chemistry and Biochemistry, University of Delaware, Newark
- Brian White, Member of the BioQuest Consortium, Professor of Biology, University of Massachusetts- Boston
- Ann Aguanno, Associate Professor of Biology, ASBMB Undergraduate Affiliate Network Committee NE Regional Director, Marymount Manhattan College

Preliminary Meeting Agenda:

9:00 - 9:30 am Arrive and check-in

9:30 – 9:45 am Introduction and overview of the ASBMB RCN Grant – Hal White

9:45 – 10:45 am Keynote: “Simulations for Teaching Molecular Biology: Uses and Evaluation” – Brian White

10:45 am – Noon Workshop I – Group information; Introduction, training and practice on validation procedures using sample questions with a range of typical student responses provided – facilitated by Hal White

12:00 – 12:45 pm Lunch (provided)

12:45 – 2:00 pm Workshop II and reporting out in small groups. Share 2-3 questions plus answers of your own that should be focused on assessing (revealing) students’ difficulties with ways of reasoning and visualizing of biochemistry concepts - facilitated by Hal White

2:30 – 2:45 pm Coffee and tea break

2:45 – 4:00 pm Workshop III – In a “shredding” exercise, small groups make the questions from another group even better for presentation – facilitated by Hal White and Brian White

4:00 – 4:40 pm Gallery walk, final report out and discussion – facilitated by Hal White and Brian White

4:40 – 5:00 pm Planning for the future and wrap-up; Goals; Networking; Assignments; Deadlines; Meeting assessment

5:00 pm Workshop concludes. Participants may continue discussion over dinner

6:00 pm No-host dinner