

❧ Thank You ❧

Thanks to the workshop coordinators:

- ❧ Mary Walczak, Chemistry Department, St. Olaf College
- ❧ Trish Ferrett, Chemistry Department, Carleton College
- ❧ Joanne Stewart, Chemistry Department, Hope College

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Midstates Consortium for Mathematics and Science

Founded by the Pew Charitable Trusts

Connecting campuses to promote excellence in math and science

The Midstates Consortium for Mathematics and Science was founded by the Pew Charitable Trusts in 1989. The Consortium seeks to improve undergraduate science and mathematics education by providing high-quality and flexible professional development opportunities for students and faculty at the member institutions. Major activities include two annual symposia on undergraduate research hosted at Washington University and the University of Chicago, faculty development workshops, and exchange programs that support visits of students and faculty members to other member schools to give presentations or to enhance research collaborations.

<http://pewscimath.hope.edu>

(new website - March 2007)

<http://www.mcms.org>

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Interdisciplinary Science Education: Institutional Examples, Lessons Learned, and Challenges

February 23-25, 2007

**Carleton College
St. Olaf College**

**Midstates Consortium for
Mathematics and Science**

*Friday Evening
Carleton College
Alumni Guest House*

- 4:30 pm Registration outside the Meeting Room in the Carleton College Alumni Guest House
- 5:00 pm Reception in the Library of the Alumni Guest House
- 6:00 pm Dinner and Welcome from Carleton College Associate Dean of the College John Ramsay and Workshop Coordinators Meeting Room of the Alumni Guest House
- 7:15 pm Interdisciplinary Science: Produced by Differences, Sustained with Mutual Dependence, and Rooted in Scholarship
Whitney M. Schlegel, Biology and Human Biology, Indiana University Bloomington
- 8:00 pm Small group discussions - Reflecting on the keynote presentation
Report out at 8:30 pm
- 8:45 pm Poster viewing and Social hour in the Meeting Room and Library

*Saturday Morning
St. Olaf College
Science Center*

- 7:30 am Breakfast in Stav Hall, Buntrock Commons
- 8:30 am Welcome from Associate Dean of the Faculty of Natural Sciences and Mathematics and Department of Biology David VanWynen Science Center 378
- 8:45 am Team Physics: Integrating Chemistry and Biology Examples into Introductory Physics – Jason Engbrecht, St. Olaf College
- 9:30 am Computational Modeling across the Curriculum – Susan Singer, Carleton College
- 10:15 am Break and Refreshments
- 10:30 am Science Education Scholars – Joanne Stewart, Kathy Winnett-Murray, Kellia Poll, Hope College
- 11:15 am Reflection on the morning presentations
- 12:00 pm Lunch - Trollhaugen Room in the King's Dining Room, Buntrock Commons

*Saturday Afternoon
St. Olaf College
Buntrock Commons*

- 1:00 pm A Research-style Biochemistry Lab: Collaborating on the Integration of Research and Teaching at Two Institutions
Joe Chihade, Carleton College and Greg Muth, St. Olaf College Buntrock Sunroom
- 1:45 pm Interdisciplinary Research across Biology, Mathematics and Computer Science: Genome-scale Metabolic Reconstruction and Modeling of Microbial Life – Aaron Best, Matthew DeJongh, and Nathan Tintle, Hope College
- 2:30 pm Break and Refreshments
- 2:45 pm Center for Interdisciplinary Research – Julie Legler, Elizabeth Atchinson, St. Olaf College
- 3:30 pm Reflection on the afternoon presentations
- 4:15 pm Institutional Teams gather to discuss goals
- 5:00 pm Free time for reflection and relaxation
- 7:00 pm Dinner at The Ole Store - 1011 St. Olaf Ave. (see St. Olaf map)

*Sunday Morning
St. Olaf College
Buntrock Commons*

- 8:30 am Breakfast in Stav Hall, Buntrock Commons
- 9:00 am What does a good novice interdisciplinary learner look like? Mary Walczack, St. Olaf College, Trish Ferrett, Carleton College and Joanne Stewart, Hope College - Buntrock, Sunroom
- 10:00 am Institutional Teams meet: Develop an Action Agenda
- 11:00 am Reporting out: Teams present Action Agendas
- 11:30 am Box lunches and Workshop evaluations