March Focus:

Howard Hughes Medical Institute Awards: Programs Designed to Enhance the Undergraduate Research Experience

Primary Literature-Based Learning Complements and Enhances Research Experience:
The Howard Hughes Undergraduate Research Program (HHURP) at UCLA
— Michael Carey and John Colicelli ................................................................. 114

Mentoring Students in Professional-Quality Science Communication
— D. Blaine Moore, Anne Dueweke, Carolyn R. Newton, and Regina Stevens-Truss .............. 118

“Summer Scholars,” A Pre-Freshman Undergraduate Research Experience
— Kristin Sobotka and Sarah C.R. Elgin ............................................................... 122

The Summer Undergraduate Research Experience (SURE) at Emory University
— Catherine Quiñones and Patricia A. Marsteller ............................................. 126

Incorporating Scientific Communication into Summer Research through a Weekly Workshop Series — Mary M. Walcak and Paul T. Jackson ................................. 132

Integrating Technology, Science and Undergraduate Education at Smith College:
The Creation of Student-Faculty Research Centers
— Stylianos P. Scordilis and Thomas S. Litwin .................................................. 138

Other Articles

2004 CUR Fellow Address, 10th National CUR Conference, June 25, 2004
— Jerry Mohrig ................................................................. 141

Departments

From the Issue Editor — Linda Rueckert .............................................................. 100
From the President — Tim Elgren ................................................................. 101
From the Executive Officer — Nancy Hensel .................................................... 102
From the Editor-in-Chief — Tom Wenzel .......................................................... 103
Undergraduate Research Highlights ................................................................. 104
Institutional Highlights — The Institutionalization of Undergraduate Research at the Virginia Military Institute (VMI) — James E. Turner .................................................. 108
CUR National Office News .................................................................................... 144
CUR Calendar ................................................................................................. 144
Submission Guidelines and Letters to the Editor Policy ........................................ inside back cover

Front Cover: St. Olaf students Anton (Tony) Peterson and Kirsten Rittenbach. As part of the Howard Hughes Medical Institute Summer Research Program St. Olaf College has developed a workshop that provides a unified approach to building skills in science communication. (See page 132)

Back Cover: Left: Smith College Center Director Dr. Stylianos Scordilis (right) walks students (left to right) Deborah Cwalina, Tegan Feehery, and Susan MacLauchlan through the protocol for using the Shimadzu UV-VIS recording spectrophotometer. (See page 138)

Right: St. Olaf College student Megan McWhirter describes differences in ethanol induced conditioned place preference between adolescent and adult mice. (See page 132)

Center: Cadets from Virginia Military Institute pursue degrees in 14 disciplines in the general fields of engineering, science, and liberal arts. (See page 108)