CONTENTS

Winter Focus:
Undergraduate Research at the Intersection of Disciplines

Transformative Undergraduate Research: Students as the Authors of and Authorities on Their Own Education .......................................................... 11
—John McKillip

How Can An Interdisciplinary Research Program Be Managed Effectively? ........................................... 17
—David Osgood, Lawrence Morris, and Kennon Rice

Interdisciplinary Research Projects Supported by the NCUR/Lancy Program .................................. 22
—Janet Stocks, Sandy Gregerman

Promoting STEM Careers Among Undergraduates Through Interdisciplinary Engineering Research ....................................................... 28
—Davyda M. Hammond, Melinda M. Lalor

Facilitated Learning Through Interdisciplinary Undergraduate Research Involving Retrospective Epidemiological Studies and Memories of Older Adults .................................................. 36
—Teri Shors, Susan H. McFadden

Synthetic Biology as a New Opportunity for Multidisciplinary Undergraduate Research .................. 42
—Todd T. Eckdahl, Jeffrey L. Poet, A. Malcolm Campbell, and Laurie J. Heyer

Departments

CUR National Office News
Calendar .......................................................................................................................... 1

From the President—Diane Husic ......................................................................................... 4

From the Executive Officer—Nancy Hensel .................................................................. 7

From the Issue Editor—James T. LaPlant ........................................................................... 9

Undergraduate Research Highlights .................................................................................. 48