

# CONTENTS Fall Focus: Undergraduate Research: An Early Start

<b>Undergraduate Research in Community Colleges: A Summary of the CUR/NCIA Conversations</b> .....	7
<i>—Brent D. Cejda, Nancy Hensel</i>	
<b>Research Models that Engage Community College Students</b> .....	12
<i>—Morna Brothers, Thomas Higgins</i>	
<b>Early Involvement in Undergraduate Research at the University of Richmond</b> .....	18
<i>—Kathy Hoke, Lisa Gentile</i>	
<b>Initiating Partnerships in Scientific Discovery at a Two-Year College via the Introductory Curriculum</b> .....	24
<i>—Nitya Jacob</i>	
<b>One STEP: Enhancing Student Retention Through Early Introduction of Research for STEM Majors</b> .....	30
<i>—Allison Felix, Edward P. Zovinka</i>	
<b>The First-Year Research Experience: Miami University’s Scholastic Enhancement Program – Undergraduate Research Option</b> .....	36
<i>—Rose Marie Ward, Linda Dixon</i>	
<b>Scaffolding Faculty-Mentored Authentic Research Experiences for First-Year Students</b> .....	41
<i>—Joseph J. Grabowski, Margaret E. Heely, and Jacob A. Brindley</i>	

## Other Articles

<b>Computational Mathematics: An Opportunity for Undergraduate Research</b> .....	48
<i>—Christopher P. Bendel</i>	
<b>Classroom Research for Undergraduate Mathematics Majors and General Education Students</b> .....	52
<i>—Patricia B. Cerrito</i>	
<b>Undergraduate Research: Communicating Ecological Field Studies to Local School Children through Outreach and Curriculum</b> .....	58
<i>—Lee B. Kats, Shannon Rollert, Trevor Thurling, Richard Johnson, Daniel Cho, Sean Landis, Randall Van Dragt, Gloria Van Dragt</i>	
<b>CUR Fellows Address: Bioassays, Biomarkers, and Biomonitors for Aquatic Contaminants – Undergraduate Research a Vehicle for Student Engagement</b> .....	63
<i>—Paula F. Dehn</i>	
<b>CUR Fellows Address: Undergraduate Research in Organic Synthesis from Vinylogous Iminium Salts to Marine Natural Products</b> .....	71
<i>—John Gupton</i>	

## Departments

<b>CUR National Office News Calendar</b> .....	1
<b>CUR Update</b> — <i>Mitch Malachowski</i> .....	3
<b>From the Issue Editor</b> — <i>Linda Rueckert</i> .....	4
<b>From the President</b> — <i>Jeffrey M. Osborn</i> .....	5
<b>Undergraduate Research Highlights</b> .....	76