

COUNCIL ON UNDERGRADUATE RESEARCH
BIENNIAL REPORT



Expansion and Excellence
2006 - 2008

THE MISSION OF THE COUNCIL ON UNDERGRADUATE RESEARCH IS TO SUPPORT AND PROMOTE HIGH-QUALITY UNDERGRADUATE STUDENT-FACULTY COLLABORATIVE RESEARCH AND SCHOLARSHIP.

The Council on Undergraduate Research (CUR) and its affiliated colleges, universities, and individuals share a focus on providing undergraduate research opportunities for faculty and students at institutions that serve undergraduate students. CUR believes that faculty members enhance their teaching and contribution to society by remaining active in research and by involving undergraduates in research. CUR's leadership works with agencies and foundations to enhance research opportunities for faculty and students. CUR provides support for faculty development. Our publications and outreach activities are designed to share successful models and strategies for establishing and institutionalizing undergraduate research programs. We assist administrators and faculty members in improving and assessing the research environment at their institutions. CUR also provides information on the importance of undergraduate research to state legislatures, private foundations, government agencies, and the U.S. Congress. CUR welcomes faculty and administrators from all academic institutions and all academic disciplines. Our primary advocacy is in support of faculty and students at the undergraduate level. CUR achieves its vision through efforts of its membership as organized in a divisional structure that includes arts and humanities, biology, chemistry, geosciences, mathematics and computer science, physics and astronomy, psychology, social sciences, undergraduate research program directors, and an at-large division that serves administrators and other disciplines.

THE CUR DEFINITION OF UNDERGRADUATE RESEARCH:

“Undergraduate research is an inquiry or investigation conducted by an undergraduate student that makes an original intellectual or creative contribution to the discipline.”

CUR programs emphasize the importance of a mentor, usually a faculty member, in guiding an undergraduate to achieve the most from an undergraduate research experience.

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Presidents' Report

DEAR CUR MEMBERS AND FRIENDS,

As CUR enters its third decade, and as this biennial report documents, the organization has significantly expanded its reach and impact during the past two years. Because of CUR's rich history and the "grassroots" dedication of its members, CUR has been able to focus its efforts to collectively move the organization forward in realizing CUR's strategic aspirations and mission: *to support and promote high-quality undergraduate student-faculty collaborative research and scholarship*. In particular, CUR has been working for many years to effectively serve its individual and institutional members, as well as to broaden participation in undergraduate research in the most inclusive sense: among all disciplines and institution types, among students and faculty from underrepresented minority groups, and among students at all levels of study, for example. CUR's evolution as a professional organization and its programs and services reflect the organization's deep commitment to mission. Several key milestones and initiatives from the past two years are highlighted below, along with a few initiatives that have been in development and will come to fruition within coming months.

CUR 2008 National Conference. CUR's 12th biennial national conference, held at the College of Saint Benedict in St. Joseph, Minnesota, was one of the largest conferences CUR has hosted, with over 600 people in attendance and a program including over 200 presentations. The conference theme, "Frontiers and Challenges in Undergraduate Research," exemplified the broad spectrum of activities and attitudes that we each experience on our own campuses, as well as our collective efforts to advance the enterprise of undergraduate research, scholarship, and creative activity at the national and international levels.

CUR's New Division of Arts and Humanities. At CUR's 2008 annual business meeting, the CUR Council approved the creation of our newest disciplinary-based division, the Division of Arts and Humanities. Whereas artists and humanists have been members of various disciplinary and interdisciplinary divisions of CUR for many years, increased interest in membership among the broader community, coupled with increased requests for programming and services in recent years, led a group of CUR members to submit a proposal to the Executive Board and Council to formally create this new division. This was an exciting milestone for CUR. As a capstone to the inauguration of the new division, CUR's 2008 biennial national conference featured a plenary presentation on undergraduate research in the arts, as well as many interesting workshops as part of the conference's Arts and Humanities program. Members will see expanded programming for these disciplines, including expanded Web-based dissemination of creative work.

Advocacy. The CUR Council and Executive Board recognized that both internal and external factors necessitated changes for CUR's organizational structure if we are to remain at the forefront of the undergraduate research landscape. It was also recognized that CUR needs to expand the organization's sphere of influence with federal and state policymakers, with public and private funding agencies, with national media outlets for both higher education and scholarly research, and with key postsecondary education organizations that share our interest in undergraduate research. This enhanced visibility for CUR is essential to achieve our objectives in an increasingly challenging and unpredictable world. The frequency of calls for greater accountability, affordability, and transparency in higher education from a broad range of sources exemplifies this climate. As these calls for greater accountability continue to intensify, the powerful impacts of undergraduate research will position CUR members and member institutions to respond in a positive way. To ensure that CUR is able to meet these challenges, Washington Partners, a Washington, DC-based firm specializing in educational clients, was hired to help with CUR's external advocacy efforts and to develop the internal capacity for CUR members to serve as more effective advocates.

Publications. With the Winter 2007 issue, Charlotte Otto completed three years as Editor of the *CUR Quarterly*. We thank Charlotte for her exceptional leadership of CUR's premier publication. A search committee reviewed the applications of several excellent candidates and selected Kelly McConaughay as the next Editor commencing with the Spring 2008 issue.

CUR also published its first full-length scholarly volume, *Developing and Sustaining a Research-supportive Curriculum: A Compendium of Successful Practices*, edited by Kerry Karukstis and Tim Elgren. The book was formally released at the National Press Club in Washington, DC. The release was covered by the national media, and the book has been well received by the community. The volume includes 34 chapters and 125 authors, representing exemplary contributions of CUR's individual members and member institutions. CUR has several other new

volumes in development that will be published in coming months and will make significant contributions to the undergraduate research community and raise the visibility of CUR in new arenas. Broadening Participation in Undergraduate Research: Fostering Excellence and Enhancing the Impact, edited by Mary Boyd and Jodi Wesemann, highlights successful strategies to expand participation in undergraduate research. Three other books in development include volumes on undergraduate research in literature and language studies; models of undergraduate research at community colleges; and the role of faculty workload and reward in supporting undergraduate research. These initiatives represent tremendous progress towards an array of new scholarly publications for the higher education community.

Institutes, Workshops, and Summits. CUR has had a significant increase in the number of institutes and workshops that we have offered during the past two years. CUR's National Science Foundation (NSF)-funded project to expand the successful model of our annual, national-level "Institutionalizing Undergraduate Research" institute via a regional approach, added eight regional workshops to CUR's calendar. With the success of this project, CUR received requests to hold similar regional workshops for two state university systems, a consortium of private liberal arts colleges, several Historically Black Colleges and Universities (HBCU) institutions, and a group of Canadian institutions. In all, since CUR's "Institutionalizing Undergraduate Research" institute was first introduced in 1996, we have now served over 300 institutions that have attended.

The inaugural offering of CUR's first institute geared toward new faculty, "Beginning a Research Program in the Natural Sciences at a Predominantly Undergraduate Institution," was met with such interest that we had to schedule a second offering a few months later. Similarly, the institute "Initiating and Sustaining Undergraduate Research Programs" was oversubscribed, and a second offering was added to the calendar. Along with the "Proposal Writing" institute, the "Mentorship, Collaboration and Undergraduate Research in the Social Sciences and Humanities" institute, and several workshops for a second NSF-funded project focusing on undergraduate research in community colleges, the CUR calendar has grown significantly in the past two years. To accomplish all of these workshops and institutes, CUR has involved many more facilitators and coordinators, thereby expanding the leadership capacity of the organization and providing additional development opportunities for CUR members.

External Grants. As noted above, CUR has received two highly competitive grants from the NSF to support a series of regional workshops around the country. In addition, CUR has recently received funding from the NSF, Research Corporation, and the American Chemical Society–Petroleum Research Fund to support a summit involving leading scientists at primarily undergraduate institutions to discuss the role of transformative research at predominantly undergraduate institutions. CUR's grant-writing efforts are designed to expand the organization's ability to serve its members with new and innovative programming, and these efforts are having a significant impact. For example, the NSF-CCLI grant is supporting 256 faculty and administrators from 64 institutions to participate in CUR's "Institutionalizing Undergraduate Research" workshops, and each of these institutions is benefitting from a robust series of follow-up activities designed to ensure sustainability of undergraduate research and a community of scholars on their campuses.

Membership, Governance, and Administrative Structure. CUR has seen an increase in the number of institutional members in recent years, as well as received many requests for increased programming and services. To ensure that the organization was positioned to best serve the membership now and into the future, CUR solicited additional feedback from the community through both a membership survey and a comprehensive "program review" of the organization conducted by several external consultants. As a result, several administrative changes have been adopted, including realignment of the functions of CUR's General Council and Executive Board, restructuring of CUR-wide committees, and reorganization of the National Office. Moreover, the CUR Executive Board recently approved an expanded model for institutional memberships, which will provide institutional members with value-added benefits to dramatically broaden participation of individual members on their campuses.

CUR has accomplished a great deal during the past two years as a result of the tremendous efforts of so many CUR volunteers and the dedicated staff members in the National Office, who are all eager to promote the importance of undergraduate research and to expand the capacity of faculty members and institutions engaged in this pedagogical and scholarly endeavor. We look forward to entering the next two-year cycle focused on strategically expanding CUR's reach and impact.

Jeffrey M. Osborn, The College of New Jersey
President

Kerry K. Karukstis, Harvey Mudd College
Immediate Past-President

Overview from the Executive Officer

The Council on Undergraduate Research has entered a new phase of its development during the past two years. During the 2005-06 year, CUR conducted a self-study led by Past President Tim Elgren, Hamilton College. An external review team attended the 2006 business meeting and then submitted its report at the end of the summer. The Executive Board discussed the external review team's recommendations and developed a set of proposals for reorganizing the governance structure of CUR and the operation of the national office. The governance proposals were presented and discussed at the 2007 June business meeting at Hamilton College. Significant changes in the governance structure were approved that will allow the organization to conduct its business more efficiently while still maintaining the active and necessary involvement of its volunteers. Implementation of the new structure is still underway. The 2007 business meeting was an engaged and exiting meeting as participants thought about the future of CUR and how it could increase its advocacy for undergraduate research, its visibility, and its impact nationally.

During this two-year period, CUR developed a new institute, *Beginning a Research Program in the Natural Sciences at a Predominately Undergraduate Institution*, which was offered for the first time at Davidson College in June 2008. CUR also began offering the regional workshops on Institutionalizing Undergraduate Research that are funded by the National Science Foundation Course, Curriculum and Laboratory Improvement grant. CUR has also been asked to offer workshops at several campuses. The first international institute was offered in June 2008 at Malaspina College-University in Nanaimo, British Columbia. The topic was *Institutionalizing Undergraduate Research*.

CUR has made several other changes that will be significant in the future development of the organization. First, CUR has contracted with Washington Partners to assist CUR with its advocacy efforts. CUR has also developed a new investment policy and moved its endowment to Merrill Lynch. CUR has invested in a new association management system that will provide better information management and more access to CUR members.

As your executive officer, I look forward to working with each of you to support your efforts in undergraduate research. I also look forward to continuing to expand both the membership of CUR and the programs and publications we offer.

Nancy H. Hensel
Executive Officer

Timeline

- 1978:**
- First Directory on Undergraduate Research in Chemistry at Undergraduate Institutions (Private Liberal Arts Colleges).
- 1979:**
- First Meeting of the Council on Undergraduate Research.
- 1980:**
- First CUR Newsletter.
 - CUR adopts first Constitution and By-Laws.
- 1981:**
- Council on Undergraduate Research is incorporated and receives tax exemption status.
- 1982:**
- CUR submits proposal for RUI to the National Science Board.
- 1983:**
- First Councilors admitted from public institutions.
 - NSF-RUI Program introduced.
- 1984:**
- Physics/Astronomy and Biology Councils are added to CUR.
- 1985:**
- CUR's First National Conference on Undergraduate Research (Colgate University).
 - NIH's AREA Program introduced.
 - NSF-College Science Instrumentation Program (CSIP) introduced (precursor to NSF-ILI Program).
 - American Chemical Society Award for Research at an Undergraduate Institution instituted with funding from Research Corporation.
- 1986:**
- Geology Council is added to CUR.
- 1987:**
- First National Conference on Undergraduate Research (NCUR) for students at Asheville, NC, cosponsored by CUR.
 - NSF-Research Experiences for Undergraduates (REU) Program introduced.
 - NSF-Instrumentation for Laboratory Improvement (ILI) Program introduced.
- 1988:**
- CUR Consulting Service introduced.
- 1989:**
- Mathematical and Computer Sciences Council is added to CUR.
 - CUR begins individual membership.
 - First colleges and universities respond to the invitations to be CUR Sponsors to facilitate the establishment of CUR's National Office.
- 1990:**
- First summer fellowships awarded through CUR.
 - At-Large Council is added to CUR.
 - CUR Individual Membership reaches 1,000.
- 1991:**
- CUR National Office is opened at University of North Carolina at Asheville with major support from Pew Charitable Trusts and Research Corporation.
 - CURLS (CUR's Listserv) is introduced.
 - John Stevens is appointed first National Executive Officer.
- 1992:**
- National Information Center on Undergraduate Research (NICUR) is formed as a branch of CUR for data acquisition and production of directories with major sponsorship of the Merck Foundation and the Camille and Henry Dreyfus Foundation.
 - First Summer Undergraduate Fellowships awarded with private foundation sponsorship.
- 1993:**
- First April Dialogue (hosted by the National Institutes of Health).
 - Institutional membership for colleges and universities is introduced.
 - Psychology Division is added to CUR.
 - CUR Newsletter becomes the CUR Quarterly.
 - Speaker's Bureau introduced.
 - CUR Individual Membership reaches 2,000.

- 1994:**
- Institutional Liaisons established.
 - First SURE summer fellowships awarded in biology with NSF-REU funds awarded to CUR.
- 1995:**
- CUR website is initiated.
 - CUR individual membership reaches 3,000.
 - CUR institutional memberships reaches 100.
- 1996:**
- First CUR Institute on How to Institutionalize Research.
 - CUR institutional membership reaches 200.
 - CUR publishes *How to Get Started in Research*.
- 1997:**
- First CUR Undergraduate Research Capitol Hill Poster Session.
 - Engineering Division is added to CUR.
 - CUR individual membership exceeds 3000.
 - Receipt of NSF Course and Curriculum Development Grant in the Biological Sciences “Research Link 2000”.
 - Receipt of NSF grant from Materials Sciences Division to promote linkages between PUI faculty members and PI’s of NSF grants in Materials Sciences.
 - K. Elaine Hoagland appointed CUR’s second National Executive Officer.
 - CUR Archives established at UNCA.
 - CUR National Office moves to Washington, DC.
 - Comprehensive external review of CUR funded by a grant from Research Corporation.
- 1998:**
- NSF Undergraduate Education Division (DUE) Division modifies its ILI, CCD, and UFEP programs into CCLI.
 - First Vital Faculty Institute.
 - CUR celebrates its twentieth anniversary and honors its founder, Brian Andreen, with the establishment of the Andreen Undergraduate Research Fellowships Endowment.
- 1999:**
- Council votes to explore expansion of CUR to all fields covered by NSF.
- 2000:**
- CUR Proposes an NSF AIRE program for Comprehensive Universities.
 - First CUR Fellow Awards bestowed on Mary Allen and Julio Ramirez.
 - First CUR Institute on Proposal Writing.
 - New “How to” booklet published, entitled *How to Develop and Administer Institutional Undergraduate Research Programs*.
 - CUR begins production of online, searchable CUR Directories of Research at Primarily Undergraduate Institutions.
- 2001:**
- Social Sciences Division formed.
 - CUR Affinity Groups initiated.
 - New Mission Statement approved, widening CUR’s purview to include all academic institutions and all academic fields.
 - Online Peer Reviewers’ Registry begun.
 - “How To” booklet published: *How to Get a Tenure-Track Position at a Predominantly Undergraduate Institution*.
- 2002:**
- Undergraduate Researchers’ Registry fully operational, yielding income for summer fellowships program.
 - New Values Statement approved, re-emphasizing core focus on PUIs.
 - First CUR-lead faculty retreat on a PUI campus.
 - New features developed for *CUR Quarterly*: “Undergraduate Research Highlights” and “Institutional Highlights”.
 - First CUR symposium on Research Ethics, with web resource center.
 - Draft strategic plan developed and presented to the Council
 - “How To” Booklet published: *How to Mentor Undergraduates*.

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- 2003:**
- Strategic Plan adopted
 - Institutional membership reaches 387
 - CUR reaches out to Canada
- 2004:**
- CUR establishes a task force on diversity
 - Presidents Emeritus added to Council
 - 25th Anniversary celebrated
 - *Reinvigorating Undergraduate Research: Successful Models* Supported by NSF's AIRE/RAIRE Programs is published.
 - Dr. K. Elaine Hoagland retires as National Executive Officer.
 - Dr. Nancy H. Hensel becomes third Executive Officer.
- 2005:**
- CUR holds first Mentorship, Collaboration and Undergraduate Research in the Social Sciences and Humanities Institute at Bridgewater State College in Bridgewater, Massachusetts
 - CUR Undergraduate Research Program Director's Division formed.
 - New Website and Quarterly design.
- 2006:**
- CUR holds first Initiating and Sustaining Undergraduate Research Institute at James Madison University in Harrisonburg, Virginia
 - Institutional Membership reaches 440.
 - CUR receives NSF/ATE grant
 - CUR conducts a self study and external review
 - CUR receives NSF/CCLI grant
 - CUR chosen for Carnegie Academy of Scholarship of Teaching and Learning Program
- 2007**
- CUR introduces University System memberships
 - The Pennsylvania State System of Higher Education is the first system member with 14 institutions
 - CUR revises governance structure at 2007 business meeting
 - CUR offers five regional workshops through the NSF/CCLI grant
 - CUR releases its first full-length book, *Developing and Sustaining a Research-Supportive Curriculum: a Compendium of Successful Practices*, at the National Press Club
 - CUR holds a Congressional Briefing with the American Chemical Society, Undergraduate Research: What It Means for U. S. Competitiveness
- 2008**
- CUR holds first institute for early career faculty, Beginning a Research Program at Predominately Undergraduate Institutions, at Davidson College
 - Institutional membership reaches 576
 - CUR holds first international institute at Malaspina University-College at Nanaimo, British Columbia
 - CUR adds Humanities/Fine Arts division
 - CUR increases advocacy efforts by hiring Washington Partners
 - CUR adopts policy for international members
 - CUR and NCUR meet to discuss increased collaborative efforts



Growth, Governance,
Administration

Growth & Planning:

The past two years have been years of significant growth in membership, program offerings, and funding. The Executive Board has taken several bold steps to ensure that CUR remains the leading voice in undergraduate research and to provide more services to CUR members. During the January 2008 executive board meeting, three advocacy firms made presentations to the board about ways in which they could assist CUR in its advocacy efforts. In March 2008 Washington Partners was selected to work with CUR on governmental and external relations. Washington Partners is an advocacy firm that specializes in education issues. Washington Partners President Ellin Nolan attended the June 2008 CUR Business Meeting and met with the Government and External Relations Committee and several divisions. CUR has planned a webpage to provide members with information about Washington Partner's efforts on behalf of CUR.

CUR is beginning to attract international interest in its work. The first international institute was held in June 2008 in British Columbia. CUR has both individual and institutional members from outside the United States. Participants at the 2008 National Conference came from Canada, the Bahamas, England, and Australia. In recognition of the increasing international interest in CUR, the Executive Board created a category for international institutional members.

In 2006, CUR received two National Science Foundation grants and two grants from a private foundation. The Advanced Technological Education NSF grant supported six regional conversations about the role of undergraduate research on community college campuses. The work has increased CUR's involvement with community colleges and has helped to support the recent interest in undergraduate research at community colleges. The Course, Curriculum and Laboratory Improvement NSF grant supports eight regional workshops on how to institutionalize undergraduate research. Applications for the workshops have been competitive. Five workshops have been completed to date. These workshops have led to requests to offer similar workshops for the California State University System, the Oklahoma Board of Regents, campuses in Pennsylvania and one at a community college in New York. Grants from the private foundation have supported CUR's work with Historically Black Colleges and Universities. Two additional proposals were submitted to NSF: one to support work with the Oklahoma Board of Regents, a supplement to the CCLI grant; and a second to support a summit on the role of undergraduate research in NSF's transformative research initiative. Both proposals were funded in July 2008.

Governance:

Several major changes were made in CUR's governance process at the June 2007 Business meeting that significantly changed the roles of the Executive Board and Councilors. Councilors will continue to have responsibility for electing officers, approving changes in the CUR mission, and approving any constitutional changes. The Executive Board will have responsibility for all other CUR decisions. The committee structure was revised during the 2007-08 academic year and approved at the 2008 Business meeting. The Meetings and Membership Committees were eliminated. The Outreach and Publication Committees will be charged with incubating new activities and publications. Other committees will be pared down with a maximum of one member from each division. The CUR Fellows task force, Consulting and Investment Committees will remain but without constitutional designation. The Constitution and Bylaws were revised to include these changes as well as to add the new Arts and Humanities division that was approved at the 2008 Business Meeting.

Administration and Finance:

The Finance Committee meets regularly by conference call to oversee the budget and to review financial reports. A two-year budget cycle has been developed to take into consideration the biennial nature of the national conference. Annual audits are regularly conducted and have shown no deficiencies. CUR is current in all federal, state, and local reporting.

The Investment Committee tracks long-term investments. Current members of the Investment Committee are the President, Treasurer, Past President, President-elect and executive officer. At the January 2007 Executive Board meeting, a revised investment policy was adopted. Two representatives of Merrill Lynch met with the Executive board at the January 2008 meeting and subsequently, on the recommendation of the Investment Committee, the Executive Board approved transferring the CUR endowment to Merrill Lynch.

CUR solicited funds from a number of corporate donors for support of our national meeting. An anonymous foundation supported attendance of teams from historically black colleges and universities at the CUR 2007 Proposal Writing Institute, 2007 CUR Dialogues and the 2008 National Conference. CUR has received funding from the American Psychological Foundation to support a summer fellowship for undergraduate research in psychology. CUR was awarded three grants from the National Science

Foundation: an Advanced Technological Education project; a Course, Curriculum, Laboratory Improvement Phase II grant, and a grant from the Biology Directorate to support five faculty from HBCUs to attend the 2007 Proposal Writing Institute. Dues from institutions and individuals remain the backbone of support for membership programs.

CUR Executive Board

July 1, 2006 – June 30, 2007

PRESIDENT: Lori Bettison-Varga, The College of Wooster
IMMEDIATE PAST PRESIDENT: Michael Tannenbaum, Marist College
PRESIDENT ELECT: Kerry Karukstis, Harvey Mudd College
SECRETARY: Kelly McConaughay, Bradley University
TREASURER: William Campbell, University of Wisconsin-LaCrosse
AT-LARGE DIVISION CHAIR: Naomi Amos, Randolph-Macon Woman's College
BIOLOGY DIVISION CHAIR: Paula Dehn, Canisius College
CHEMISTRY DIVISION CHAIR: Diane Husic, Moravian College
GEOSCIENCES DIVISION CHAIR: Jeffrey Ryan, University of South Florida
MATHEMATICAL & COMPUTER SCIENCES DIVISION CHAIR: Richard Brown, St. Olaf College
PHYSICS/ASTRONOMY DIVISION CHAIR: John Mateja, Murray State University
PSYCHOLOGY DIVISION CHAIR: Jonathan Vaughan, Hamilton College
SOCIAL SCIENCES DIVISION CHAIR: Herb Childress, Duke University
UNDERGRADUATE RESEARCH PROGRAM DIRECTORS DIVISION: Janet Stocks, Carnegie Mellon University

Ex Officio:

EXECUTIVE OFFICER: Nancy Hensel
FINANCE COMMITTEE CHAIR: Duncan McBride, National Science Foundation

CUR National Office Staff

Nancy H. Hensel, Executive Officer
Julie Ackerman, Senior Director, Marketing and Communications
Robin Howard, Senior Director, Membership Services, Operations and Information Technology
Carly Cloud, Membership Coordinator
Athenae Belton, Accounting Specialist

July 1, 2007 – June 30, 2008

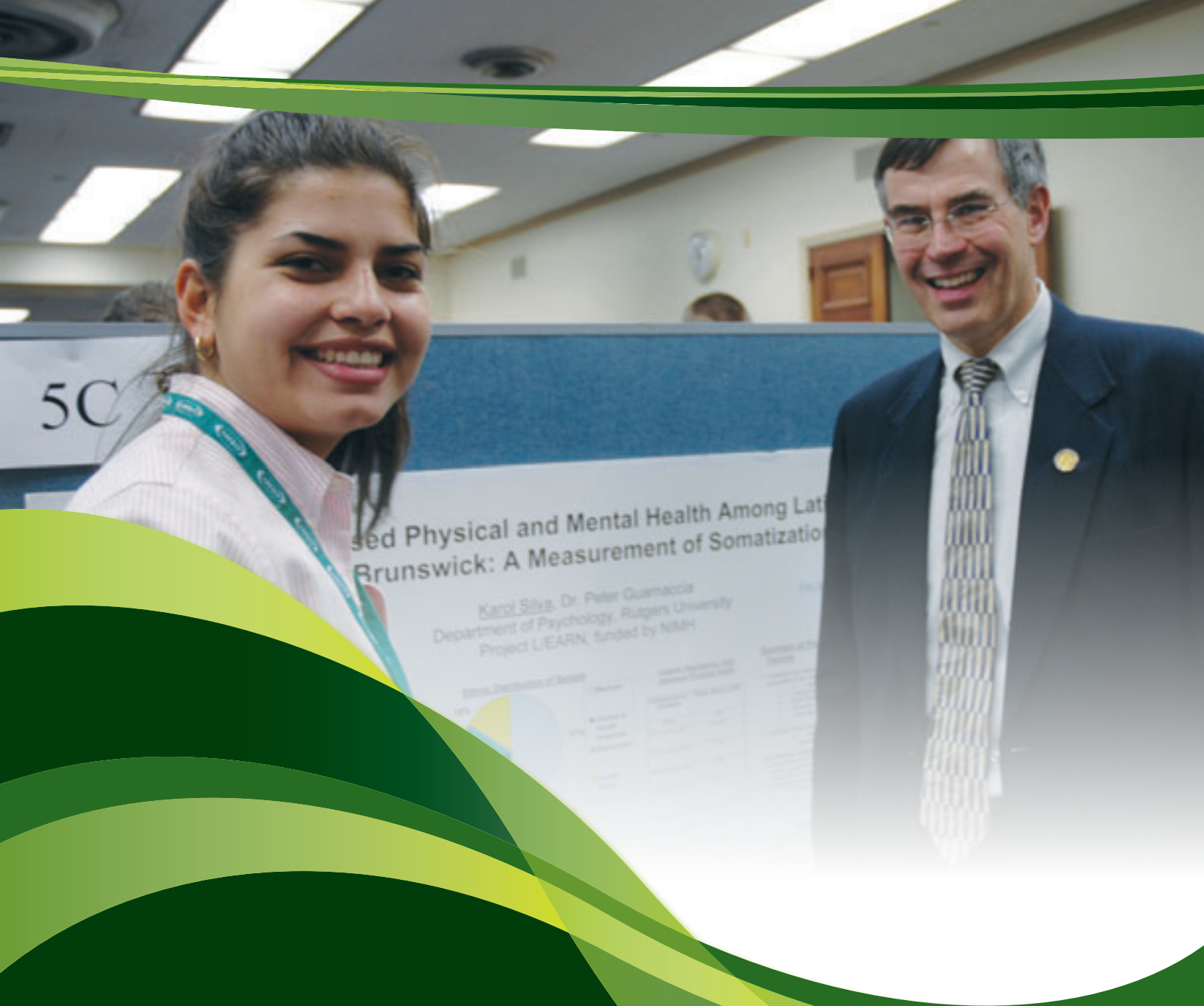
PRESIDENT: Kerry Karukstis, Harvey Mudd College
IMMEDIATE PAST PRESIDENT: Lori Bettison-Varga, Whitman College
PRESIDENT ELECT: Jeffrey Osborn, The College of New Jersey
TREASURER: William Campbell, University of Wisconsin-River Falls
SECRETARY: Kelly McConaughay, Bradley University
AT-LARGE DIVISION CHAIR: Linda Freed, University of Wisconsin-Oshkosh
BIOLOGY DIVISION CHAIR: Ami Ahern-Rindell, the University of Portland
CHEMISTRY DIVISION CHAIR: Merle Schuh, Davidson College
GEOSCIENCES DIVISION CHAIR: Jeffrey Ryan, University of South Florida
MATHEMATICAL & COMPUTER SCIENCES DIVISION CHAIR: Debra Burhans, Canisius College
PHYSICS/ASTRONOMY DIVISION CHAIR: V. J. Agarwal, University of Wisconsin-LaCrosse
PSYCHOLOGY DIVISION CHAIR: Jonathan Vaughan, Hamilton College
SOCIAL SCIENCE DIVISION: Herb Childress, Boston Architectural College
UNDERGRADUATE RESEARCH PROGRAM DIRECTORS DIVISION: Sandra Gregerman, University of Michigan – Ann Arbor

Ex Officio:

EXECUTIVE OFFICER: Nancy Hensel
FINANCE COMMITTEE CHAIR: Duncan McBride, National Science Foundation

Associates:

Jill Garbe, Automated Graphic Systems, Inc.
Michael Saylor, Blythe Financial Services
Ellin Nolan, Della Cronin, Washington Partners
Cheryl Fields, Consulting Editor
Paul Mecinski, Sigma7 Technology Services
Michael Werner, Integrated Software Solutions



Membership & Leaders

In 2007, CUR's individual membership was 3478 and in 2008 it was 3555. Institutional membership was 515 in 2007 and 582 in 2008. A full list of institutional members can be found in the appendix to this report. The Executive Board voted at its June 2008 meeting to offer a new membership package to begin with the July 2009 renewals. The new membership program, tentatively called "Enhanced Membership" offers institutional members the opportunity to enroll as many faculty members in CUR as are interested for an additional membership fee. Faculty members who are enrolled in CUR through this program will receive the CUR Quarterly electronically with the option of paying an additional amount to receive it in paper. The Executive Board also approved a membership proposal for reduced membership fees for institutions outside the United States.

CUR had nine active divisions in 2006-2007: At Large (primarily administrators and unaffiliated individuals), Biology, Chemistry, Geosciences, Mathematics and Computer Science, Physics and Astronomy, Psychology, and Social Sciences, and Undergraduate Research Program Directors. A tenth division, Arts and Humanities, was added at the 2008 Annual Business Meeting. The ten CUR divisions elect members of the General Council and in turn, CUR Council Members from each Division send representatives to the CUR Committees. The Committee Chairs are appointees of the CUR President.

All CUR members are encouraged to spread the membership message to friends, new colleagues, and to their campus administration, if their institution is not already a CUR member. CUR Liaisons play a special role in communicating CUR's message on college campuses. In 2007 and 2008 there were 228 individuals who volunteered to be CUR Liaisons on their campuses. All received mailings containing information to distribute about CUR programs, with special emphasis on CUR's 2008 National Conference. In addition, CUR members have been kept informed of CUR activities through CUR E-News that is sent monthly by email to CUR members.

CUR Committee Chairs, July 1, 2006 – June 30, 2007

Constitution & Bylaws: John Falconer, University of Nebraska at Kearney

Consultants: John Mateja, Murray State University

CUR Fellows: Michael Jackson, University of Wisconsin-LaCrosse

Development: Thomas Blackburn

Finance: Duncan McBride, National Science Foundation

Government and External Relations: Ted Hodapp, American Physical Society and Jodi Weseman, American Chemical Society

Investments: Lori Bettison-Varga, The College of Wooster

Meetings: Lydia Fox, University of the Pacific

Membership: Susan J. Larson, Concordia College-Moorhead

Nominations: Michael Tannenbaum, Marist College

Outreach: Michael Castellani, Marshall University

Publications: Julio Rivera, Carthage College

Quarterly Editors: Charlotte Otto, University of Michigan-Dearborn (Editor in Chief); James LaPlant, Valdosta State University, Kelly McConaughay, Bradley University and Linda Rueckert, Northeastern Illinois University (Issue Editors), and Anne Skinner, Williams College and Patricia Pukkila, University of North Carolina at Chapel Hill (News Editors)

CUR Committee Chairs, July 1, 2007 – June 30, 2008

Constitution & Bylaws: John Falconer, University of Nebraska at Kearney

Consultants: John Mateja, Murray State University

CUR Fellows: Michael Jackson, Central Washington University

Development: Neal Abraham, DePauw University

Finance: Duncan McBride, National Science Foundation
Government and External Relations: Ted Hodapp, American Physical Society and Jodi Weseman, American Chemical Society

Investments: Kerry Karukstis, Harvey Mudd College

Meetings: Lydia Fox, University of the Pacific

Membership: Susan J. Larson, Concordia College-Moorhead

Nominations: Michael Tannenbaum, Marist College

Outreach: Michael Castellani, Marshall University

Publications: Linda Rueckert, Northeastern Illinois University

Quarterly Editors: Charlotte Otto, University of Michigan-Dearborn (Editor in Chief); Kelly McConaughay, Bradley University and Linda Rueckert, Northeastern Illinois University, (Issue Editors), and Anne Skinner, Williams College and Patricia Pukkila, University of North Carolina at Chapel Hill, (News Editors)

2006 – 2008 CUR Councilors

The Council is the source of ideas, inspiration, and volunteers for CUR's programs. It determines the overall mission of the organization, while the Executive Board performs fiduciary duties including oversight of the National Office. Council Members are elected through their Divisions to three-year terms during which they attend annual Council Meetings and serve on CUR's committees. The following individuals have served as Councilor during the period 2006 – 2008. The list is arranged first by Division and secondly, by the terminal year of the Councilor's service.

Arts and Humanities

2009

Gregory Young
Naomi Yavneh

2010

Iain Crawford
Robert Hodson

2011

Stephen Heinemann

At-Large

2007

Thomas Blackburn
Kimberly Griffith
Robin Harris
Patricia Soochan

2008

Mary Ann Baenninger
James Boelkins
Rudy Gostowski
David Hawsey
Chris Millard
David Prior

2009

Diane Ariza
John Falconer
Frances Vinal Farnsworth
Linda Freed
Vicki Gier
Sirkka Kauffman
F. Sheldon Wettack

2010

Naomi Amos
David Brakke
Mauri Ditzler
Paula S. Lawson
Walter Schoen

2011

Virginia Coombs
Melvin L. Druelinger
Rudy C. Gostowski
Alfredo Medina
Kathy Payne
Jill Salvo
Julio Turrens
Roger D. Wareham

Biology

2007

Thomas Bultman
Mary Farwell

2008

Yolanda Cruz
Paula Kleintjes
Suzanne Porszasz-Reisz
Charles Stinemetz

2009

Lawrence R. Aaronson
Rebecca Bullard-Dillard
Jeffrey Demarest
Gregory S. Fraley
Gary Reiness
Rachel M. Spell
Glena Gilbert Temple
Larry E. Wimmers

2010

Amelia Ahern-Rindell
Sibdas Ghosh
Evelyn Hiatt
David Howard
Jonathan M. King
Karen T. Lee
Louise M. Temple-Rosebrook
Quinn Vega

2011

Lee Ann J. Clements
Paula Dehn
Lonnie Guralnick
Vick J. Martin
Mary E. Miller
Michael A. Palladino
Brad Stith
Patricia Tille

Chemistry

2007

Peter Chen
Ricardo Rodriguez
Christopher Rohlman
Suzanne Sherman

2008

Julio de Paula
Melvin Druelinger
Kerry Karukstis
Barbara Lawrence
Estelle Lebeau
Carlyle Salter

2009

Samuel Abrash
Karen Akerfeldt
Mary Kathleen Boyd
Scott Feller
Kimberly Frederick
Lisa N. Gentile
Silvia Ronco
Merlyn Schuh

2010

Nicole Bennett
Michael P. Castellani
Sean Decatur
Jani Ingram
Gina MacDonald
Kathleen Parson
Roger Rowlett
Jodi Wesemann

2011

Robert Bachman
Myriam Cotten
Bridget L. Gourley
Diane White Husic
Graham Peaslee
Joseph Provost
George C. Shields
Kraig Wheeler
Geosciences

2007

David Bailey
John Creasy
James Cullen
Steven Dunn
Karen Fryer
Robert Shuster

2008

C. Brannon Andersen
Lori-Bettison-Varga
William Dinklage
Angela Hessler
Bill Miller

2009

Patrick Burkhart
Laura Guertin
Jeannette Pope
Jeffrey Ryan
Kathleen d. Surpless
Deanna van Dijk
Stephen Van Horn

2010

Edward Hansen
Patricia Lee Manley
Jeffrey Marshall
Kirsten Nicolaysen
Christopher Oze
John Ritter
Dale Splinter
Andrew Wulff

2011

Daniel Brabander
Alexandra Davatzes
Dori Farthing
Lydia K. Fox
Terry D. Lahm
Linda Reinen
Peter B. Sak
Gary Solar

Mathematics/Computer Science

2007

Bela Bajnok
Michael Fisher
Brooke Fridley

2008

Stefan Brandle
Gary Gordon
Arthur Heinricher
Kenneth Luther

2009

Denise D. Brynes
Thomas J. Cheatham
Joan Krone
Mario Martelli
Thomas Q. Sibley
Diana Thomas

2010

Richard A. Brown
Douglas Harms
Allen Hibbard
Lew Ludwig
Jason Miller

2011

Debra Burhans
Steven M. Deckelman
Michael Dorff
Jose Flores
Emelie Kenney
Michael McDaniel
James Peirce
Lydia Sinapova

Physics and Astronomy

2007

Rexford Adelberger
Bryan Suits

2008

Marty Johnston
Sally Koutsoliotas
Jay Newman
Kenneth Rumstay

2009

Beth A. Cunningham
Ted Hodapp
Chris Hughes
Catherine Mader
John F. Mateja
Shannon Mayer
Duncan McBride
David M. Schaefer

2010

Vijendra K. Agarwal
Daniel Caton
Terry D. Oswalt
Stephen J. Padalino
Mariann M. Patterson
Kevin T. Riggs
Hank Yochum

2011

Mark L. Biermann
James D. Borgardt
Todd Hillwig
Michael Jackson
Linda Ramball Jones
Satyendra Kumar
Elizabeth McCormack
Linda I. Winkler

Psychology

2007

Marie Balaban
G. Andrew Mickley
Nancy Oley

2008

Jenny Lowry
Jonathan Vaughn

2009

Brenda Kirby
Susan J. Larson
Maureen McCarthy
Gary Muir
John Neuhoff
Michael Toglia
Sandra Webster
Mark C. Zrull

2010

Joanne Altman
Lauren Fowler
G. Andrew Mickley
Bryan C. Raudenbush
Linda Rueckert

Robert F. Rycek
Maureen Vandermaas-Peeleer
Debra A. Zellner

2011

Brian Cronk
Kerri Goodwin
David E. Hogan
Kathleen Morgan
Adeleri Onisegun
Sharon Pearcey
Lenore Szuchman
Linda Tennison

Social Sciences

2007

Ivelaw Griffith
Antonio Menendez Alarcon
Jacqueline Simpson
Julia Wallace

2008

Walter Huber
John Ishiyama
Joyce Kinead
Susan Renoe
Paul Wienir

2009

Herb Childress
Ernest Diedrich
Martin Dupuis
Robert Freymeyer
Jayati Ghosh
Andrew T. Harris
Brenda Kowalewski
James T. LaPlant
Jeanne Mekolichick
Roger Nemeth
Amy J. Orr

2010

Andrea Chapdelaine
Susan Eve
Grant Neeley
Elizabeth A. Perry
Frances Pestello
Geoffrey D. Peterson
Julio Rivera

2011

Ken Bartkus
Greg Domin
Arthur E. Lizie
Michael Steinberg

Undergraduate Research Program Directors

2007

Carol Bender
Maria Bohorquez
Donna Brown
Kathleen Cargill
John Cavitt
Diana Lizarraga
Mary Nijhout
Doug Peterson

2008

Michael Bassman
Dwight Dimaculangan
Karl Sienerth
Mary Jane Walsh

2009

Mary Crowe
Laura Damuth
Janice DeCosmo
Said M. Shokair
Janet E. Stocks
Kathryn J. Wilson

2010

Carol Bender
Anne Boettcher
Maria Bohorquez
Donna B. Brown
Kathleen Cargill
John Kneski
Frosty Levy
Mary M. Nijhout

2011

Henry P. Biggs
Linda Blockus
Sandra Gregerman
Joyce Kinead
Sheila Pedigo
Patricia J. Pukkila
Stephanie Wallach
Marcus Webster



CUR Programs

Meetings:

CUR National Conference: About 620 people attended CUR 2008, our 12th National Conference, at the College of St. Benedict. The general theme for the meeting was “Frontiers and Challenges in Undergraduate Research.” CUR presented its CUR Fellows Awards for excellence in fostering undergraduate research to John Gupton, Professor of Chemistry, University of Richmond, and Paula Dehn, Professor and Chair of Biology, Canisius College. The topic of the first plenary session was, “Mentoring Diverse Students” by Dr. Isiah Warner, Phillip W. West, Professor of Analytical and Environmental Chemistry & Vice Chancellor for Strategic Initiatives, Louisiana State University. Jennifer Blackmer, Assistant Professor of Theater at Ball State University spoke about “Gestures of Thinking: Collaborative Models for Undergraduate Research in the Arts and Humanities.” On the final day of the conference, Dr. Paul Apostolidis, the Judge and Mrs. Timothy A. Paul Chair of Political Science at Whitman College gave a plenary session entitled, “Community-Based Research and the Public Work of Democracy. Conference sub-themes were: Undergraduate Research in the Arts and Humanities; Assessment of Research Outcomes; Beyond the Academy-Real World Applications of Research; Early Involvement in Research; Research in a Global Environment; and Undergraduate Research at the Interface of the Disciplines. The planning committee was co-chaired by Silvia Ronco and Lydia Fox and Herb Childress, Greg Young, and Peter Chen assisted them. The Carnegie Academy for the Study of Teaching and Learning, undergraduate research leadership team, met at the conference.

Wanted to thank you and offer a BRAVO for a great meeting at CSB last month. It has been a long time since I did a CUR meeting and it was a genuine pleasure. Wonderful people, great program, lovely site. It was a pleasure to participate.

Congratulations to you, the CUR staff, the folks at CSB, and the planning committee.

Best wishes,

Richard A. Weibl, Director
Center for Careers in Science and Technology
American Association for the Advancement of Science

CUR Dialogues 2007: The 2007 CUR Dialogues was held March 8-10 at the Hilton Alexandria Mark Center. Dialogues opened with a theatrical reading of the Human Faustus Project, a play developed by Jennifer Blackmer, assistant professor of theater, and her students from the Virginia B. Ball Center for Creative Inquiry at Ball State University. Dr. Kathie Olsen, Deputy Director of the National Science Foundation was the keynote speaker on Friday morning. On Friday afternoon Scott Jaschik, Editor of Inside Higher Education, spoke about how Washington perceives higher education and commented on recent higher education initiatives.

Support for HBCU Institutions: Nine faculty members from HBCUs participated in the 2007 Proposal Writing Institute at the University of Nebraska at Kearney. Five were funded by the Biology Directorate of the National Science Foundation and four were funded through a grant from a private foundation. The private foundation also funded faculty members to attend the 2007 CUR Dialogues and the 2008 National Conference.

CUR Institutes: CUR Institutes bring together faculty and administrators for three days of intensive conversation related to the topic of the workshop. These Institutes continue to be one of the most popular programs that we offer. Begun in 1996, CUR now offers five institutes each year. Our traditional Fall CUR Institute, “Institutionalizing Undergraduate Research,” has been suspended while we offer the regional institutes funded by the NSF CCLI grant. This workshop brings together teams of faculty and administrators from institutions so that when they return to campus, they collectively work on the goals for incorporating undergraduate research across their campuses that they generated at the Institutes. The CCLI NSF has added a follow-up consultant visit to the regional workshops. To date workshops have been held at Pennsylvania State University-Delaware County, Spelman College, The University of Texas-El Paso, California State University-Northridge, and Lewis and Clark College. The CUR Institute on Proposal Writing was held in July 2007 at the University of Nebraska at Kearney and at the Baldwin-Wallace College in 2008. Faculty members attending these Institutes leave their workshop with a well-crafted grant proposal partly as a result of the input of the facilitators. The social science/humanities institute, “Mentorship, Collaboration and Undergraduate Research in the Social Sciences and Humanities” was held in 2007 and 2008 at Carthage College. “Initiating and Sustaining Undergraduate Research Programs” was held at the University of

Michigan in May 2007 and the University of Arizona in February 2008 and is co-sponsored by the National Conferences on Undergraduate Research (NCUR). A new institute for beginning

faculty in the natural sciences was held in June 2007 at Davidson College. The institute had a waiting list and is being offered again in November 2008.

Tom,

You worked with me last summer at the CUR Proposal Writing Institute. I heard from PRF today that my proposal was recommended for funding. Thanks again for all of your help! Hope you have a great summer.

Kevin Morris
Department of Chemistry
Carthage College

Dear Naomi,

It almost been a year since the CUR proposal writing workshop at the College of Wooster. I wanted to let you know that we just learned that Baldwin-Wallace College will receive a \$270,000 grant from the Cleveland Foundation to support our proposed Center for Transformational Learning. I appreciate the help I received at the workshop last July, and wanted you to know of the successful outcome of our efforts. Hope all is well with you.

Sincerely,

Barbara Rolleston, Ph.D.
Core Curriculum Director and
Professor of Economics
Baldwin-Wallace College

“Like many colleges and universities, the University of Nebraska has had undergraduates engaged in research and creative activity for decades. Our challenge in the 1990s was to expand those opportunities to more students. We sent a team of faculty and administrators to a CUR Institute in 1986, and they came back with a specific plan that led to the creation of our Student Research Day, grants to undergraduate researchers, and greater student participation in academic conferences. By 2002, we were ready to jump to a new level, so a new team of faculty and administrators went to a CUR Institute to develop a new plan. This led to the creation of a separate Undergraduate Research Council, redevelopment of our Undergraduate Research Journal, and the eventual creation of a Director of Undergraduate Research.”

John Falconer, PhD
Office of Sponsored Programs
University of Nebraska at Kearney



Information and Communications:

The CUR Quarterly was produced under the leadership of Editor-in-Chief Dr. Charlotte Otto from March 2005 until March 2008. Dr. Kelly McConaughay became Editor-in-Chief in March 2008. Themes during this period were: *Corporate Partnerships; Focus on Undergraduate Research Offices; GIS Across the Curriculum; Risk Management; Models of Undergraduate Research; Challenges for Early Career Faculty; and Focus on Undergraduate Research Communities.*

How To Series: CUR's *How To* series is purchased by faculty, graduate students, and administrators to assist in faculty development and to effect institutional change. In 2006-08 CUR reprinted "How to Get Started in Research." The cover for each of this publication was redesigned to incorporate the CUR logo and design theme, and to match the redesign of "How to Mentor Undergraduate Researchers" and "How to Develop and Administer Institutional Undergraduate Research Programs" which were redesigned previously. CUR has plans to redesign the cover of "How to Get a Tenure-Track Position at a Predominantly Undergraduate Institution" as well. The Publications Committee has developed procedures for reviewing current publications and determining when they need to be updated or revised.

CUR Website: The CUR website offers opportunities to provide up-to-date information on CUR initiatives and links to other information of interest to CUR members. A new section listing awards received by CUR members was introduced in 2006. A listing of Undergraduate Research Celebration Days is published on the website. There is a searchable Individual Members Directory and a list of institutional members with links to their own web-

sites. The website hosts a Members Only section with special information section on funding opportunities, sabbaticals, and a planned section on advocacy.

The CUR Listserv, CUR-L, provides an open venue of discussion for all who are interested in undergraduate research and the goals of CUR, members and nonmembers alike. It is most often used for sharing of information on the environment at colleges and universities that allows research by faculty and students to flourish, such as administrative support and best practices. Job announcements are posted on a volunteer basis. CUR has recently created opportunities for divisions and affinity groups to host their own listservs, and has also brought the CUR-L Listserv in house.

CUR Registry: Currently the Registry is open to students and graduate schools/employers in the fields of Astronomy, Chemistry, Biochemistry, Biology, Physics, Mathematics, Computer Science, Geosciences, Engineering, and Psychology, with pilot programs in Economics, Humanities, Sociology, and Anthropology/Archaeology. The directory is available in a searchable electronic format.

New Publications: In 2007 CUR published its' first full length book, *Developing and Sustaining a Research-Supportive Curriculum: A Compendium of Successful Practices* edited by Kerry Karukstis and Tim Elgren. The book was released at a National Press Club event on February 21, 2007. CUR has three new publications underway that will be published in 2008-09.

Peer Reviewers Registry: The Peer Reviewers' Registry was opened to all the major federal agencies (NSF, NIH, DOE, NASA, USDA) and foundations that fund undergraduate research. There are more than 440 individuals in our database.

Outreach and Collegial Relations

During the past two years, the executive officer and members have been very active in reaching out to other organizations and campuses to promote undergraduate research and to develop collaborations that support CUR's mission.

Specific activities include:

- CUR was funded in August 2006 by the National Science Foundation to provide regional workshops on institutionalizing undergraduate research. Workshops have been offered at Penn State-Delaware County, Spelman College, the University of Texas-El Paso, California State University-Northridge, and Lewis and Clark College. Three more workshops will be offered in Fall 2008 at Buffalo State College, Hope College and Truman State University.
- CUR was funded by the NSF Advanced Technological in Advanced Technological Education program to support six regional conversations about undergraduate research at community colleges. Regional conversations were held in Illinois, Massachusetts, Georgia, Washington, Oklahoma, and California.
- CUR was asked to participate in the planning of an AAC&U Networking Conference to be held in April 2007. CUR hosted a reception at the 2007 and 2008 AC&U Annual Conference and held its January Executive Board meetings in conjunction with the AAC&U conferences.
- CUR members made presentations on behalf of CUR at the 2007 and 2008 AAC&U Annual Conferences, the fall AAC&U Networking Conference, and the American Association of State Colleges and Universities Provosts' meeting.
- The Executive Officer was invited to make presentations at the NIH INBRE/IdeA Networks conference, the AASCU Grants and Resource Center meeting,
- CUR co-hosted Posters on the Hill (2007 and 2008) with the American Chemical Society's Public Service Award reception on Capitol Hill.
- CUR co-hosted a Congressional Briefing on June 5, 2007 with the American Chemical Association. The topic of the briefing was Undergraduate Research: *What It Means to U. S. Competitiveness*.

CUR members presented the CUR message at many educational society meetings and conferences, including the annual meetings

of the American Chemical Society, the Geological Society of America, American Association for the Advancement of Science, National Conference on Undergraduate Research, Special Interest Group on Computer Science Education Technical Symposium and the American Mathematical Society.

Government Relations

CUR has continued to work with federal agencies and Congress as appropriate to promote the CUR message. CUR belongs to the Coalition for National Science Funding and the STEM Coalition. Several educational associations and societies belong to both organizations and work together to promote science funding. CUR has recently expanded its contract with Washington Partners to assist CUR with further advocacy initiatives. The Government and External Relations committee have been very active in developing a plan for advocacy and for educating CUR members about policy issues and strategies.

The Executive Officer has attended budget hearings, congressional briefings, and met with administrators and program officers from the National Science Foundation, the National Institutes of Health, and the National Endowment for the Humanities.



Special Programs for Undergraduates

CUR Summer Undergraduate Research Fellowships

The American Psychological Foundation funds one summer fellowship each year for a student in Psychology. The Brian Andreen Fund supports two research fellowships awarded to the campus of the CUR Fellows.

Undergraduate Research Posters on the Hill: Each year CUR sponsors undergraduate research poster sessions on Capitol Hill. In 2007, over 400 students applied to present their work and in 2008, with a special emphasis on polar research, over 200 students applied. Only 60 research projects can be accepted to participate. 2007 marked two significant events in Posters on the Hill: the first humanities poster was accepted from The Virginia Military Institute and the first community college poster was accepted from North Seattle Community College. Students have the opportunity to meet with their legislators in their offices as well as at the poster session to thank them for federal funding and to ask them to continue support for the programs that provide funds for undergraduate research. At the 2008 Posters on the Hill students heard from Congressman Vernon Ehlers of Michigan and John Marburger, Science Advisor to the President. Students also have the opportunity to participate in field trips to places such as the National Institutes of Health, the Natural History Museum, the World Bank, and the Folger Library.

I was a participant in last year's Posters on the Hill. I really enjoyed the event, and it opened my eyes to the possibilities of health/science policy. I am currently in medical school, and have gotten very involved in our chapter of the American Medical Association, which is very involved in policy-making. In addition, I have spearheaded an effort to mobilize all of the Pennsylvania medical schools to contact senators in support of the proposed smoking ban. I really feel like I am making a difference, and it's very inspiring. I definitely wouldn't be doing all of this had I not experienced POH through CUR. Thank you for that opportunity... it's exposed me to a new interest that I really enjoy.

Kimberly Kicielski

Special Programs for Faculty Development

CUR Consulting: The CUR Consulting Program includes departmental reviews, divisional reviews, and on-campus facilitations and workshops. Biology conducted fifteen reviews in 2006-08, chemistry conducted three reviews, physics two reviews and At-Large conducted one review in 2006-08.

“The CUR team conducted a comprehensive and instructive review of our entire science division at Moravian College. Their assessment and recommendations were clear, informed, and most productive. Our CUR reviewers suggested a number of important measures for improvement, but perhaps more significantly, they provided a framework for ongoing development of our own plans and actions to strengthen the natural sciences. Their guidance has been timely and central to our implementation of an institutional strategic initiative to further develop science programs, faculty, and facilities at Moravian.”

Ervin J. Rokke,
President, Moravian College

Recognition: the CUR Fellows Award

The Council on Undergraduate Research presented two CUR Fellows Awards at its 2008 National Conference. The recipients were John Gupton, Professor of Chemistry, University of Richmond and Paula Dehn, Chair and Professor of Biology, Canisius College. With these Fellows Awards, CUR celebrates individuals who exemplify the ideals of CUR. The Fellows Awards were sponsored by LI-COR Biosciences.

The CUR Fellows awards, are presented biennially to recognize CUR members who have developed nationally respected research programs. Awardees have established outstanding records of obtaining funding for their work and for their students, and publishing research findings with undergraduate coauthors. They reach out to students of all backgrounds, incorporate research activities into the courses they teach, and lead efforts to institutionalize research on their campuses and across the nation. In sum, they are leaders and role models for countless faculty and students at primarily undergraduate institutions.

The nominees for the CUR Fellows award have many common personality traits. They are compassionate, nurturing mentors gifted in helping undergraduates develop their research talents and skills. Their students look to them not just as advisors, but also as trusted friends. They have an enormous impact on the careers of their students as they contribute to the body of scientific knowledge. CUR honored John and Paula this year, but in recognizing them, we also recognize and encourage the many other faculty members who are achieving the same goals.

"I worked with Professor Halpern last fall on an independent research project studying popular music recall among primed and unprimed participants. This research endeavor was by far my most challenging and fulfilling academic experience I underwent throughout my four years at Bucknell University. Professor Halpern drove me to seek answers to my own questions and challenged me to familiarize myself with the entire process of psychology research. And I loved the challenge every step of the way."

Emily Resnick
Bucknell University, 2003

"....I know of no other professor more deserving of a CUR Fellow Award than Jerry Mohrig. He has influenced dozens of students in the laboratory and hundreds more in the classroom, and he has been one of the best examples of the teacher-scholar model I have ever known. Though I am saddened that he will no longer personally guide and inspire students, I know that he will still do so indirectly through past students (like myself and many others) who have followed in Jerry's footsteps and chosen their own academic careers."

Michelle Hamm
*Assistant Professor of Chemistry
University of Richmond*



Appendices

CUR Institutional Members, 2006-2008

Adelphi University	Bryn Mawr College	Coe College
Adrian College	Bucknell University	Colby College
Agnes Scott College	Buffalo State College	Colgate University
Albany State University	Butler University	College of Charleston
Albertus Magnus College	Cabrini College	College of Saint Benedict
Albion College	Caldwell College	College of Saint Catherine
Albright College	California Lutheran University	College of Saint Elizabeth
Alfred University	California Maritime Academy	College of the Holy Cross
Allegheny College	California State Polytechnic Univ. - San Luis Obispo	Colorado College
Alma College	California State Polytechnic University-Pomona	Colorado State University - Pueblo
American Psychological Association	California State University - Bakersfield	Concord University
Amherst College	California State University - Channel Islands	Concordia College-Moorhead
Andrews University	California State University - Chico	Concordia University, St. Paul
Appalachian State University	California State University - Dominguez Hills	Converse College
Aquinas College	California State University - East Bay	Coppin State University
Arcadia University	California State University - Fresno	Cottey College
Assumption College	California State University - Fullerton	Creighton University
Augsburg College	California State University - Long Beach	CUNY - Brooklyn College
Augusta State University	California State University - Monterey Bay	Daemen College
Augustana College	California State University - Northridge	Davidson College
Aurora University	California State University - Sacramento	Defiance College
Austin College	California State University - San Bernardino	Denison University
Austin Peay State University	California State University - San Marcos	DePauw University
Azusa Pacific University	California State University - Stanislaus	Dickinson College
Baldwin - Wallace College	California State University, Los Angeles	Dickinson State University
Ball State University	California University of Pennsylvania	Dillard University
Barnard College	Calvin College	Doane College
Bates College	Cameron University	Dominican University
Baylor University	Canisius College	Dominican University of California
Bellevue University	Capital University	Drake University
Belmont University	Carleton College	Drew University
Beloit College	Carnegie Mellon University	Drexel University
Benedictine University	Carroll College	Duquesne University
Bennett College for Women	Carthage College	Earlham College
Berea College	Cedar Crest College	East Carolina University
Berry College	Central Michigan University	East Central University
Birmingham-Southern College	Central State University	East Stroudsburg University
Bloomfield College	Central Washington University	East Tennessee State University
Bloomsburg University	Centre College	Eastern Connecticut State University
Boise State University	Chapman University	Eastern Illinois University
Boston University	Charles R. Drew University of Medicine & Science	Eastern Kentucky University
Bowie State University	Chatham University	Eastern Mennonite University
Bradley University	Cheyney University of Pennsylvania	Eastern Oregon University
Bridgewater College	Christopher Newport University	Eastern Washington University
Bridgewater State College	Clarion University of Pennsylvania	Eckerd College
Brigham Young University	Clark University	Edgewood College
Brown University	Clemson University	Edinboro University of Pennsylvania

Elizabeth City State University
 Elizabethtown College
 Elmhurst College
 Elon University
 Embry - Riddle Aeronautical University
 Emmanuel College
 Emory and Henry College
 Emory University
 Emporia State University
 Fairfield University
 Fairmont State University
 Ferrum College
 Fisk University
 Florida Gulf Coast University
 Florida Institute of Technology
 Florida International University
 Florida Southern College
 Fort Lewis College
 Franklin & Marshall College
 Franklin College of Indiana
 Frostburg State University
 Furman University
 Gannon University
 George Washington University
 Georgetown University
 Georgia College & State University
 Georgia Southern University
 Georgia State University
 Gettysburg College
 Goucher College
 Grand Valley State University
 Grinnell College
 Guilford College
 Gustavus Adolphus College
 Hamilton College
 Hamline University
 Hampshire College
 Hanover College
 Harris - Stowe State University
 Hartwick College
 Harvey Mudd College
 Hastings College
 Haverford College
 Henderson State University
 Hendrix College
 High Point University
 Hobart & William Smith Colleges
 Hofstra University
 Hollins University

Hope College
 Howard University
 Humboldt State University
 Idaho State University
 Illinois Wesleyan University
 Immaculata University
 Indiana State University
 Indiana University at South Bend
 Indiana University Kokomo
 Indiana University of Pennsylvania
 Indiana University Purdue University Indianapolis
 Indiana University Southeast
 Indiana University-Purdue University Fort Wayne
 Ithaca College
 James Madison University
 Jamestown College
 John Carroll University
 Johnson C. Smith University
 Juniata College
 Kalamazoo College
 Kean University
 Keene State College
 Kennesaw State University
 Kent State University
 Kenyon College
 Kettering University
 Knox College
 Kutztown University of Pennsylvania
 La Salle University
 La Sierra University
 Lafayette College
 LaGrange College
 Lamar University
 Lasell College
 Lawrence University
 Le Moyne College
 Lebanon Valley College
 Lewis & Clark College
 Lewis University
 Lincoln University
 Linfield College
 Livingstone College
 Lock Haven University of Pennsylvania
 Long Island University
 Longwood University
 Loras College
 Loyola College in Maryland
 Loyola Marymount University
 Loyola University New Orleans

Luther College
 Lycoming College
 Lynchburg College
 Lyon College
 Macalester College
 Manhattan College
 Mansfield University of Pennsylvania
 Marietta College
 Marist College
 Marshall University
 Marymount University
 Maryville College
 McDaniel College
 McMurry University
 Mercer University
 Meredith College
 Mesa Community College
 Metropolitan State College of Denver
 Michigan Technological University
 Middle Tennessee State University
 Middlebury College
 Midwestern State University
 Millersville University of Pennsylvania
 Millsaps College
 Minnesota State University, Mankato
 Minnesota State University, Moorhead
 Mississippi State University
 Missouri Western State University
 Molloy College
 Monmouth College
 Monmouth University
 Monroe Community College
 Montana State University - Bozeman
 Moravian College
 Morehead State University
 Morgan State University
 Mount Aloysius College
 Mount Holyoke College
 Mount Saint Mary College
 Mount Saint Mary's University
 Mount Union College
 Muhlenberg College
 Murray State University
 Muskingum College
 Nazareth College of Rochester
 Nebraska Wesleyan University
 New College of Florida
 New York Institute of Technology-Main Campus
 Niagara University

North Carolina A&T State University
 North Carolina Central University
 North Carolina State University
 North Central College
 North Georgia College & State University
 Northeastern Illinois University
 Northeastern State University
 Northeastern University
 Northern Arizona University
 Northern Kentucky University
 Northern Michigan University
 Northwest Christian University
 Northwest Missouri State University
 Northwestern College
 Northwestern State University
 Norwich University
 Nova Southeastern University
 Oak Ridge Associated Universities
 Oakland University
 Oberlin College
 Occidental College
 Ohio Northern University
 Ohio Wesleyan University
 Oklahoma Christian University
 Oklahoma City University
 Pace University New York Campus
 Pacific Lutheran University
 Penn State Erie, The Behrend College
 Pepperdine University
 Pittsburg State University
 Pitzer College
 Point Loma Nazarene University
 Pomona College
 Presbyterian College
 Principia College
 Providence College
 Purdue University Calumet
 Purdue University North Central
 Quinnipiac University
 Radford University
 Ramapo College of New Jersey
 Randolph - Macon College
 Randolph College
 Redlands Community College
 Reed College
 Rhode Island College
 Rhodes College
 Rider University
 Roanoke College

Rochester Institute of Technology
 Roger Williams University
 Roosevelt University
 Rowan University
 Sacred Heart University
 Saint Bonaventure University
 Saint Cloud State University
 Saint John's University
 Saint Joseph College
 Saint Mary 's College
 Saint Mary's University of Minnesota
 Saint Mary-of-the-Woods College
 Saint Michael 's College
 Salisbury University
 San Diego State University
 San Francisco State University
 San Jose State University
 Santa Clara University
 Schreiner University
 Scripps College
 Seattle University
 Seton Hall University
 Shippensburg University
 Shorter College
 Siena College
 Simmons College
 Simpson College
 Sinclair Community College
 Skidmore College
 Slippery Rock University of Pennsylvania
 Smith College
 Sonoma State University
 South Dakota State University
 Southeastern Louisiana University
 Southern Illinois University at Edwardsville
 Southern Illinois University Carbondale
 Southern Nazarene University
 Southern Utah University
 Southern Wesleyan University
 Southwestern Oklahoma State University
 Southwestern University
 Spelman College
 Spring Hill College
 Springfield College
 St. Edward's University
 St. John Fisher College
 St. Lawrence University
 St. Mary 's College of Maryland
 St. Mary's University

St. Olaf College
 State University of New York at Albany
 State University of New York at Fredonia
 State University of New York at Geneseo
 State University of New York at New Paltz
 State University of New York at Potsdam
 State University of New York College at Brockport
 State University of New York College at Cortland
 State University of New York College at Oneonta
 State University of New York College at Oswego
 Stephen F. Austin State University
 Stetson University
 Stevenson University
 Stonehill College
 Susquehanna University
 Sweet Briar College
 Tarleton State University
 Taylor University
 Tennessee Technological University
 Texas A & M University
 Texas A & M University - Commerce
 Texas A & M University - Kingsville
 Texas Christian University
 Texas State University - San Marcos
 Texas Tech University
 Texas Wesleyan University
 The College of New Jersey
 The College of Saint Scholastica
 The College of The Bahamas
 The College of William & Mary
 The College of Wooster
 The Richard Stockton College of New Jersey
 The University of Findlay
 The University of the South
 The University of Virginia 's College a
 Tougaloo College
 Towson University
 Transylvania University
 Trinity College
 Trinity University
 Truman State University
 Tulane University
 Tuskegee University
 Union College
 Union University
 University of Alabama at Birmingham
 University of Alaska - Anchorage
 University of Arizona
 University of Arkansas at Little Rock

University of California - Los Angeles
 University of Central Arkansas
 University of Central Florida
 University of Central Missouri
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 University of Cincinnati Main Campus
 University of Colorado at Colorado Springs
 University of Dayton
 University of Evansville
 University of Georgia
 University of Houston - Main Campus
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 University of Louisville
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 University of North Carolina at Greensboro
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 University of North Carolina at Wilmington
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 University of North Florida
 University of North Texas
 University of Northern Iowa
 University of Notre Dame
 University of Oklahoma Norman Campus
 University of Pittsburgh
 University of Pittsburgh - Johnstown Campus
 University of Pittsburgh at Bradford
 University of Portland

University of Puerto Rico - Rio Piedras Campus
 University of Puerto Rico at Arecibo
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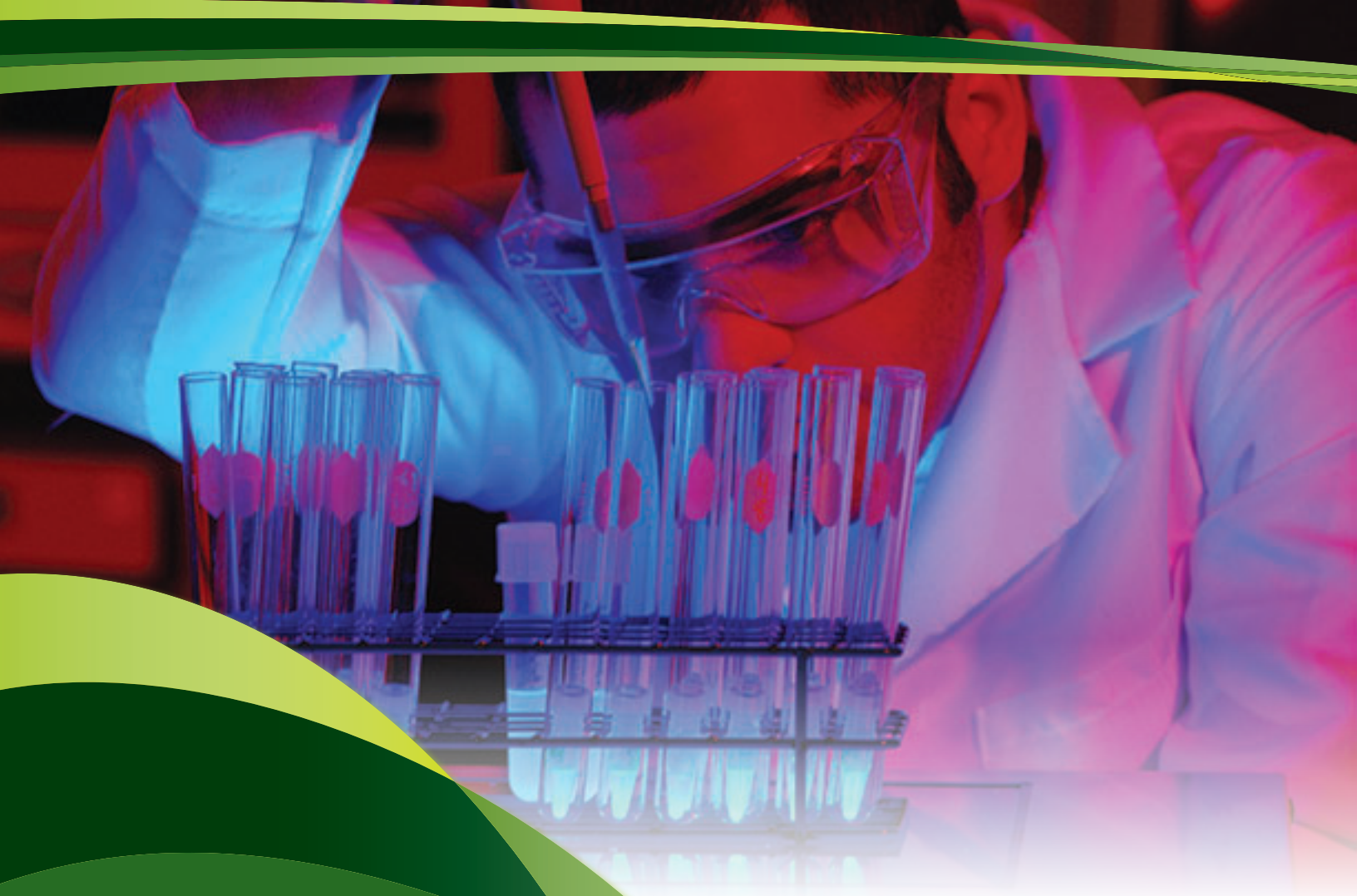
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Goals for 2009
and Beyond



CUR's goals for the immediate future are to expand our advocacy efforts so that we might continue to better serve our membership. We also hope to offer more opportunities for campuses to develop their undergraduate research programs by securing external funding. As our membership has expanded to include all disciplines and all sectors of higher education, we will also seek ways to provide services for constituencies that are new

to CUR. CUR will strive to keep up with the always-advancing technological culture by adding interactive content to our website, and strengthening our standard office procedures through increased online capabilities. Finally, we will continue our efforts to strengthen CUR's position as the national voice for undergraduate research through our programs, our publications, and our advocacy efforts.



Postscript

CUR could not provide its programs without the support and hard work of our individual members and all those who volunteer to produce the content of CUR programs. We thank you. We ask all who share our mission to provide advice and suggestions so that we can continually improve our services and our effectiveness in promoting undergraduate research.

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