Creating the Future

State of the Medical Center Address 2 0 0 4

Presented by
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Senior Vice President and Provost for Health Affairs

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State of the Medical Center Report

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Research

Sponsored Program Funding

Researchers throughout the Medical Center, including the College of Medicine (UC COM) and Children’s Hospital Research Foundation (CHRF), had another spectacular year for sponsored program activity. The trend of the past ten years has shown research productivity and funding in a continual incline; in 2003 we saw a substantial increase over that achieved during the past few years. Growth in sponsored awards across the medical center is shown in Figure 1. Legislation continued to support significant increases for federal funding of biomedical research and this continued to build enthusiasm for future research efforts.

Overall rankings from the National Institutes of Health (NIH) for FY021 placed UC COM 19\textsuperscript{th} nationally among public medical colleges and 42\textsuperscript{nd} among all medical schools for sponsored program awards.

Total sponsored program holdings for UC COM totaled $135.1M** in 2003, an increase of 29% over last year’s total (104.8M). The breakdown for FY03 shows that Research (128.2M) increased by 31.5%, Instruction (6.5M) increased by 5.6%, and Public Service (.4M) decreased by 32%. When totals are factored in from the Colleges of Pharmacy (1.3M), Nursing (.97M) and Allied Health (.54M); the Hoxworth Blood Center (.46M), other affiliates, including: AITL (.6M), IHPHS (1.54M), SR VP (1.97M) and UHS (.03M); the UC Medical Center total comes to $153.78M, an increase of 42% over FY02 (108.36M).

CHRF holdings totaled $98M, an increase of 16% over FY 02 (84.4M), bringing the combined sponsored program holdings for the UC Medical Center and CHRF to $251.78M, which is a 31% increase over FY02 (192.71M). When we factor in grants and contracts at other affiliated institutions (see “Other Med Ctr” in Figure 2), which are staffed by UC faculty, such as the VA Medical Center (4.33M), the Shriners Hospital for Children (4.06M), as well as funds from sponsored research conducted in clinical trials (6.99M), the total research-related activity in the entire UC Medical complex for 2003 is about $256M (see Figure 2).

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**NIH rankings for 2002 were published in April 2003. 2003 rankings will be available in April 2004.

**Includes Barrett Cancer Center holdings
Figure 1

Medical Center Growth in Sponsored Awards
(1999-2003 in millions)
Figure 2

Sponsored Program Awards\textsuperscript{a, b}

\begin{itemize}
\item \textsuperscript{a}Awards in $millions
\item \textsuperscript{b}Direct plus indirect costs
\item *Data for 1990 not separated out for UC Medical Center and CHRF
\item **Med Ctr includes the Colleges of Medicine, Nursing, Allied Health, Pharmacy, as well as Hoxworth, Barrett Center and Med Center Library
\item ***Other Med Ctr includes VA, Shriners and Clinical Trials (for 1999-2003)
\end{itemize}
Academic

College of Allied Health Sciences
Dean Elizabeth King, PhD

Office of the Dean

Enrollment
- Increased the number of freshmen for autumn 2003 by approximately 28%, and transfer students by 5%.
- Received support of $150,000 over three years from The Health Alliance to support the sonography faculty position.
- Received support of $9,000 over three years from Cincinnati Children’s to support the sonography faculty position.

Scholarly Activity and Research
- Received a $1.8M endowment to establish a research program in Maternal & Child Nutrition.
- Increased the number of grant submittals from 14 in 2002 to 20 in 2003, with an increase in the number of faculty submitting grants from nine in 2002 to 13 in 2003.
- $684,420 in active grant support (a 48% increase over 2002).
- Linked selected new hires with established researchers in the medical school.

Community Engagement
- Developing partnership with Cincinnati Public Schools.
- Establishing an audiology clinic at Woodward High School.
- Selected service-learning activities led by College’s Service-Learning Team.

Facilities and Equipment
- Received RMI dollars to purchase new furniture for four classrooms.
- Converted third floor advising waiting room to academic student lounge.
- Development of a Program Statement developed for the College.
- Upgraded instructional technology in classrooms, which included touch panel controls.
- Upgraded equipment for teaching and research, which included an ultra sound system and large printer for poster presentations.
- Converted main entrance doorway to accommodate individuals with disabilities.

Associate Dean’s Office
- Continued to visit high schools, meeting with both students and guidance counselors, to present our College programs, as well as visiting area colleges to strengthen our relationships through articulation agreements.
- Positive enrollment projections for next year as a result of our recruitment efforts.
• Served on several UC Medical Center committees, including Distributive Learning Collaboratory, IAIMS Committee, Information Technology Partnership, and the AIT&L Advisory Committee, as well as numerous College committees in an ex officio capacity.
• Supported the College’s relationships with Cincinnati Public Schools, specifically with Western Hills University High School and Woodward High School.

Academic Coordinator, Office of Student Affairs

• Admitted 58 on-campus transfer students and coordinated transfer policies and procedures for Cincinnati State and Sinclair Community College with the University Transfer Center.
• Reorganized all undergraduate program curriculum sheets and oversaw the development of all undergraduate program articulation agreements with University College.
• Assisted in the creation of marketing materials and admission criteria for the College’s new dual admissions program.
• Developed and supervised Student Ambassador Program and assisted in developing and maintaining the Exploring! Program.

Department of Analytical and Diagnostic Sciences

Advanced Medical Imaging Technology (AMIT) Program
• Percentage of students passing at least one of the nationally administered board examinations was 100%.
• All AMIT courses taught by full-time faculty fully converted to Blackboard.
• Secured monies through a proposal written by AMIT Program faculty for start-up of distance education work.
• Secured outside funding for the Sonography faculty position from The Health Alliance and Cincinnati Children’s.

Clinical Laboratory Science Program
• Program awarded final reaccreditation approval by the NAACLS Board of Directors.
• Full enrollment of 2003-2004 class realized and with a wait list.
• BOR passage rate for 2002 graduates was above national average with 50% of the graduates’ scores falling within the top 27% national percentile.
• Converted the CLT to CLS Fast Track option plan to an on-line program with the CLT on-line degree completion track under development with Compass Knowledge group as a national partner.
• Forensics certificate track in early stage of development; developed and taught a new course offering, Survey of Forensic Science, in spring, 2003.

Genetic Counseling Program
• 100% passage rate of the Genetic Counseling graduates on the American Board of Genetic Counseling certification examination; the national pass rate was 74%.
• Continued discussions regarding feasibility of several new tracks, including environmental genetics track, on-line coursework, and doctoral training in genetic counseling.
• Submitted a Millennium Proposal to support new research faculty scholar for the purpose of bringing genetic counseling research expertise to the Program and enhancing core research conducted in this area.
• With CAHS, Nursing, and Pharmacy faculty developed a new undergraduate/graduate course, Studies in Interdisciplinary Health Care, to be offered winter of 2004.

Transfusion & Transplantation Sciences Program (formerly Blood Transfusion Medicine)
• On-site accreditation process through CAAHEP conducted in December of 2002. SBB program reaccredited with no deficiencies identified.
• Developed curriculum for the Cellular Therapies Program with goal to admit students for the 2003-2004 academic year.
• Reviewed and enhanced the MS/SBB and Fellowship Programs.

Department of Communication Sciences and Disorders
• Completed development of AuD curriculum with new program to begin fall of 2003. Nineteen students have enrolled.
• Numbers of graduates from programs were: PhD (2), MA (47), and BS (17). Nine new PhD students have been recruited for fall 2003.
• Five faculty were externally funded including a Doctoral Leadership Grant, USDOE, awarded to W. Secord for $800,000.
• Completed plan and submitted accreditation report for meeting new CCC Standards in speech-language pathology and audiology.
• Developed a number of recruitment efforts for the undergraduate program, including holding courses on west campus, initiating a “buddy” system for freshman and new transfer students, and formalizing articulation agreements with RWC and University College.

Department of Nutritional Sciences
• Revising undergraduate Dietetics Program by developing a new Coordinated Program in Dietetics for fall of 2005, pending Commission on Accreditation for Dietetics Education approval.
• Revising curriculum for BS in Nutrition Science into three distinct tracks: Nutrition with a Business minor, Nutrition and Exercise, and Nutrition for pre-med students all of which will begin winter, 2004.
• Program’s 5-year pass rate on national registration examination of 90% was above the national average.
• Revised the Introduction to Nutrition course to Personal Nutrition to be offered fall quarter of 2003 to both non-majors and majors of Dietetics and Nutrition and in both traditional classroom format and online.
Department of Rehabilitation Sciences

- Passage rate of Physical Therapy and Physical Therapy Assisting Program graduates on state licensing exam 100% on first attempt. This is approximately 20% higher than all PT schools and close to 30% greater than all PTA schools.
- Finalized the Dual Admissions Program, which will allow qualified students entering as freshman who plan to complete the MPT degree admission to the Health Science degree, and a guaranteed spot in the MPT class as long as appropriate academic and professional requirements are met.
- Increased applications to the Technical Core Year of the PTA Program from four in 2002 to 15 in 2003 as a result of the initiation of the 2 + 2 option of the PT/Health Science Program, and in addition increased student enrollment in the MPT Program from 18 students in 2002 to 24 students in 2003, a maximum for this Program.
- Completed self-study for Physical Therapy Program (MPT) reaccreditation. CAPTE reviewed the program in October 2003 and awarded accreditation for a period of ten years.
College of Medicine  
Dean William J. Martin II, MD

Office of Medical Education

In 2003, the College of Medicine undertook a rigorous self-study process in preparation for the October visit by an accreditation survey team from the Liaison Committee on Medical Education (LCME). The process included a detailed analysis and review of the curriculum and student performance.

Consistent with LCME standards, the Goals and Objectives for Medical Education were revisited. The new goal and objectives are available online at: www2.med.uc.edu/medical/training/objectives.cfm.

The staff of the Office of Medical Education and the curriculum committees are in the process of reviewing the goals and objectives of each year of the four-year programs leading to the MD degree, as well as those for each individual course and clerkship.

The Office of Medical Education defined its major missions as Curriculum Development and Management, Curriculum Assessment and Evaluation, Student Assessment and Advancement, Clinical Skills Teaching and Assessment, Teaching Skills Development and Research in Medical Education.

A major initiative was instituted this past year to revamp the introduction to clinical practice component of the curriculum. Under the leadership of Michael A. Sostok, MD, a new course, Clinical Foundations of Medical Practice, was developed. Among the key features of the course are earlier introduction to the basic skills of the physical examination and implementation of modules on cultural competence and nutrition. Andrew La Barbera, PhD, has begun the process of creating digital modules for the Sexual Health component and recently received a grant from the Association of Professors of Gynecology and Obstetrics (APGO) to support this effort.

By way of earlier clinical exposure, Barbara Tobias, MD, Department of Family Medicine, and her colleagues, developed a program titled Tell Me Your Story, in which first-year medical students interacted with well elderly patients in their home environment.

Linda Goldenhar, PhD, was recruited to enhance assessment and evaluation processes. Utilizing a Framework for Curricular Evaluation that was approved by the Education Coordinating Committee (ECC), Dr. Goldenhar began development of a more systematic and comprehensive course and clerkship evaluation process. A key feature of this process is the utilization of a standardized, yet flexible, on-line faculty and course evaluation system.

Under the leadership of Richard Brilli, MD, the Clinical Biennium Curriculum Committee (CBC) piloted a Web-based procedure tracking process using the Students-on-the-Move concept developed at UC. The CBC has also developed a standardized process for assessment of the professional development of the medical students. To foster the concept of professionalism, the
ECC developed a set of Principles Guiding Interaction between Teachers and Learners of Medicine.

The Center for Competency Development and Assessment and the Clinical Skills Lab continued to expand their activities. In addition to major participation in the medical school curriculum, the facilities are used for training nursing students and members of the Air Force participating in the C-STARS program. A new headache CME program was developed using standardized patients.

In order to invigorate research in medical education, a modest fund was established in 2002. This seed money was granted to faculty whose medical education research projects were approved through the application process. Faculty whose projects were awarded funds in 2003 were:

- Aurora Bennett, MD, Psychiatry, “Assessing Psychiatric Clinical Competence of Medical Students”
- Kenneth L. Weiss, MD, Radiology/Psychiatry/Biomedical Engineering, “Neuroscience Made Memorable”
- Corinne Lehmann, MD, Internal Medicine, “Assessing Clinical Competence of Residents in Reproductive Health Interview”
- Pat Brown, PhD, Cell Biology, “Use of the Neurobiology of Learning to Increase Student Long-Term Memory”

The Teaching Effectiveness and Mentoring (TEAM) faculty development program continued for the third year. Dr. Short served as program director and led sessions to enhance teaching skills of faculty. Participants for 2003 included: Amal Assa’ad, MD, Pediatrics; Lisabeth Lazaron, MD, Family Medicine; Ronald Millard, PhD, Pharmacology; Arthur Ollendorff, MD, OB/GYN; Nada Yazigi, MD, Pediatrics; and Darryl Zuckerman, MD, Radiology.

Dr. Andrew Filak was named the 2003 Educator of the Year by the Ohio Academy of Family Physicians (OAFP). In addition, the following faculty were recognized by the medical students for excellence in teaching:

<table>
<thead>
<tr>
<th>Basic Science</th>
<th>Golden Apple</th>
<th>Silver Apple</th>
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<tbody>
<tr>
<td>DJ Lowrie, PhD</td>
<td>Bruce Giffin, PhD</td>
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<tr>
<td>Cell Biology</td>
<td>Cell Biology</td>
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<tr>
<td>Bruce Giffin, PhD</td>
<td>Wan Lim, PhD</td>
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<tr>
<td>Cell Biology</td>
<td>Cell Biology</td>
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<tr>
<td>Paul Biddinger, MD</td>
<td>Paul Biddinger, MD</td>
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<td>Edmund Choi, PhD</td>
<td>Edmund Choi, PhD</td>
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<td>Microbiology</td>
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<tr>
<th>Clinical Science</th>
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<th>Jay Johannigman, MD</th>
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</thead>
<tbody>
<tr>
<td>Surgery</td>
<td>Surgery</td>
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</table>

LeAnn Coberly, MD | Internal Medicine |
Dr. Colin Macpherson was the recipient of the Lifetime Teaching Achievement Award. UC COM mourns the passing of Dr. Macpherson and his enthusiasm and dedication to medical student education will be sorely missed.

Office of Student Affairs and Admissions

- UCCOM experienced a 6% increase in applications for academic year 2003-2004 as compared to a national average of about 3%. This first increase in the applicant pool in 10 years comes as a result of an increase in out of state applicants.
- 42% of the applicants who were offered a spot accepted (as compared to 32% in 2001)
- 634 applicants were interviewed and 387 offers extended to fill the class of 161 students
- High academic standards were maintained
  - Science GPA 3.59
  - Biological Science MCAT 10.3
- Enhanced recruitment activity:
  - Collaboration with UC west campus to train and attract better applicants: UC Honors course “From the bench to the Bedside”, a course on medical science taught by COM faculty.
  - MCAT prep course at COM
  - Development of improved recruitment materials: COM Website enhancements, including www.medonestop.uc.edu, new brochures, PowerPoint presentations, and interactive CD (in production).
- “Dean’s Scholar” program to attract academically superior, research oriented students: We made 36 offers to top applicants: 15 accepted. A special fund of $10,000 from the Dean’s Discovery Fund was set aside to support summer research stipends for this group.
- “Pathways Programs”: Six programs which target disadvantaged middle school thru college students for summer enrichment and research experiences at the COM. Three are funded by HHMI. The Summer Pre-medical Enrichment Program for high school students has been in existence long enough to “bear fruit”: 100% of attendees attended college, 46% are in medical school; 20% of these at UC.
- Major drive to augment our scholarship endowment, beginning with The IvaDean Lair Scholarship Fund which has raised >$150,000.
- Excellent academic performance: Students continue to perform well on NBME: pass rates at or greater than the national average:
  - Part I 96% (91% nationally)
  - Part II 96% (96% nationally)
  - Part III 97% (95% nationally)
- Dual Admission Program: We offer provisional acceptance to outstanding high school students entering UC A&S and the College of Engineering, as well as 4 other Ohio colleges (Miami, U. of Dayton, John Carroll, and Xavier). This year we matriculated 19 students from this program into the freshman class.
- 91.6% UC vs. 87.1% All Schools - agree/strongly agree “Overall I am satisfied with the quality of my medical education”
- Residency placement: Our graduating seniors all matched at residency training programs of their choice all over the country, including the more competitive specialties of Radiology, Ophthalmology and Orthopedic Surgery.
Office of Research and Graduate Education

Research Infrastructure
UC COM received a very prestigious award in 2000, which was successfully renewed for 2003, from the Howard Hughes Medical Institute ($2M for 4 years) as part of the HHMI’s Research Resources for Medical Schools competition. This grant, and significant investments from the COM and CHRF, have established new core facilities for genomics/gene array, proteomics, and bioinformatics. The COM continues improvements in its research infrastructure, including world-class facilities for the production of unique animal models of human disease, DNA sequencing, mouse phenotyping, biostatistical support, gene targeting, structural biology, gene/protein expression, bioinformatics, high-field imaging, biocontainment, a General Clinical Research Center and support for health policy and outcomes research.

Research and graduate education at the College of Medicine remains strong and competitive. The productivity of our departments, programs, students, faculty and staff, as well as their parent committees, have contributed to tremendous growth in our academic and research programs. Institutional investments made in support of graduate students, postdoctoral scholars and new faculty, combined with cutting-edge infrastructure, continue to pay dividends. Continued planning, strategic investments, and the bright funding picture from federal agencies should enhance our ability to achieve ever-increasing levels of excellence in our research and training enterprises.

The basic science departments at the COM continue to be very strong, and, as a group, continue to rank near the top 15% in the nation for sponsored program support per faculty member. The clinical departments also continue to hold onto the spot they earned last year, ranking in the top 15% for grant support per faculty member. Updated departmental rankings for sponsored program support per faculty member can be found in the AAMC’s publication, IPS Basic and Clinical Departments Data Report for the University of Cincinnati College of Medicine, when released in spring 2004.

Departmental Rankings
Most recent data indicate eight departments ranked in the top 10 of their peer groups at all public medical schools (see Figure 3) in terms of NIH grant holdings. Environmental Health ranked 1st (out of 28); Neurology ranked 3rd (out of 43); Cell Biology ranked 6th (out of 53); Molecular Genetics, Biochemistry and Microbiology ranked 4th (out of 25); Pathology ranked 9th (out of 46); Surgery ranked 8th (out of 48); Psychiatry ranked 10th (out of 51); OB/GYN ranked 9th (out of 46); Physiology ranked 19th (out of 63) and Internal Medicine ranked 27th (out of 64). The top 10 research intensive departments at UC COM in terms of NIH grant support are Internal Medicine, Environmental Health, Neurology, Psychiatry, Molecular Genetics, Cell Biology, Pathology, Physiology, Surgery, and Ob/Gyn (see Figure 4). Research intensive departments (>$500K in funding) showing the greatest improvement in terms of national rankings with NIH support are Neurology, Physiology, Surgery, Ophthalmology, Pharmacology, Pathology, Psychiatry, Environmental Health and Molecular Genetics.

Figure 3
Departmental National Percentile Rankings Among Public Medical Schools\textsuperscript{a,b}
(Top 10 Departments at UC-COM, Year 2002)

\begin{center}
\begin{tikzpicture}
\begin{axis}[
    ybar, bar width=10pt, ymajorgrids=true,\n    ymax=100, ymin=0,\n    xtick=data,\n    xticklabels={Env Health, Neurology, Cell Biol, Mol Gen, Pathology, Surgery, Psychiatry, Ob/Gyn, Physiology, Internal Med},\n    xticklabel style={align=center},\n    ylabel={Percentile Rank},\n]
\addplot coordinates {
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};
\end{axis}
\end{tikzpicture}
\end{center}

\textsuperscript{a} Awards in $\text{millions}$
\textsuperscript{b} As reported by NIH for 2002
Other Research Accomplishments
The COM continues to play a key role in contributing intellectual property, patents and licensing revenue to the University. In a recent survey the Association of University Technology Managers reported that US universities collected almost $960M in licensing income in FY02. UC ranked 27th out of 151 institutions reporting, with income of $6.5M. Of that $6.5M the College of Medicine was responsible for $1.08M. UC retains its position as the top-ranking university in Ohio, Indiana and Kentucky in terms of licensing revenue.

Examples of other noteworthy recent research accomplishments include two Biomedical Research & Technology (BRTT) awards from the state of Ohio – one for $25.2M to form the collaborative Center for Computational Medicine (UC-CHMCC), and the other for $9M to the newly formed Department of Genome Science for the new Genome Research Institute (GRI). Other outstanding examples of new awards received include a $16.9M grant received by Neurology to study Familial Intracranial Aneurysms, a $12.9M grant received by Environmental Health for the study of the Chemoprevention of Lung Cancer, a $9.5M grant received by Pathology for the study of Puberty & Cancer Initiation: Environment, Diet & Obesity, and a $5.1M grant received by Environmental Health to study Genetic & Environmental Risk Factors for Hemorrhagic Stroke.
In 2003, the American Cancer Society sponsored about $8.5M in research grants in Ohio, and the UC Medical Center received $4.3M, more than any other institution in the state.

Progress has been made in the development of comprehensive centers, including the Cancer Center, the Neuroscience Center and the Heart and Vascular Center. The Cancer Center experienced a doubling of cancer funding over the past two years. Community projects at the center include Growing Up Female, and a prostate screening program. The Neuroscience Center renewed one training grant, received two new ones, and is submitting a fourth in 2004. The Heart and Vascular Center, a collaboration between Surgery and Medicine, is focusing efforts on the development of the University Pointe clinical facility.

Another new initiative in research was the creation of the Dean’s Discovery Fund in which 14 investigators received over $400,000 for new pilot studies in selected target areas. Also, a new faculty Research Cabinet has been formed to assist the administration in long-term research planning efforts.

The publication of research findings in peer-reviewed journals is an important index of research productivity. Literature searching and citation analysis reveals that publication rates have remained strong after showing significant growth in this index over the past several years (see Figure 5). In 2003, researchers at UC COM contributed 756 senior-authored research manuscripts in the top-ranked, biomedical peer reviewed journals. Clearly, our basic and clinical scientists are translating knowledge gained from the laboratory and bedside into useful information.
Internal Nominees for Extramural Awards
The Office of Research and Graduate Education annually administers numerous internal competitions for many prestigious national awards. The following summarizes the nominees selected for the past year:

- Dr. Yasmine Belkaid (Dept. of Pediatric Molecular Immunology): Ellison Medical Foundation New Scholar Award in Global Infectious Disease
- Dr. Nira Ben-Jonathan (Department of Cell Biology): Mary Kay Ash Innovative/Translational Cancer Research Award for 2003
- Dr. Shiuh-Wen Luoh (Dept. of Internal Medicine): Damon Runyon-Lilly Clinical Investigator Award
- Dr. Monica Mitchell (Dept. of Pediatrics, Psychology Div.): AAMC Herbert Nickens Minority Faculty Fellowship
- Dr. Jing-Huei Lee (Dept. of Biomedical Engineering) 1st round, and Dr. Istvan Pirko (Dept. of Neurology) 2nd round: Dana Program in Brain & Immuno-Imaging
- Dr. Karen Knudsen (Dept. of Cell Biology): Damon Runyon Scholar Award
- Dr. Robert Kahn (Div. of General & Community Pediatrics, TCHRF): Robert Woods Johnson Generalist Physician Faculty Scholar Award
- Dr. Qishen Pang (Dept. of Experimental Hematology, TCHRF) and Dr. Theresa Reineke (Dept. of Chemistry): Searle Scholars Program for 2004
- Dr. Stephen Page (Dept. of Physical Medicine & Rehabilitation): Pew Scholars Award in Biomedical Sciences
Postdoctoral Training
The Postdoctoral Scholars Advisory Committee, established in 1998, continued to meet regularly, addressing issues such as establishing a uniform title for fellows and improvements in their benefits program. There are currently 184 postdoctoral fellows at the Medical Center. The Departments of Pediatrics, Molecular Genetics, Cell Biology, and Psychiatry support the largest number, respectively.

The postdoctoral Web site (http://www.med.uc.edu/postdoc) now contains the University Policy on Postdoctoral Appointments and Benefits, and links to useful items such as NIH training grant opportunities, the University Job Opportunities Update and other Web sites dedicated to postdoctoral issues.

In an effort to highlight the research contributions of postdoctoral scholars, the Office of Research and Graduate Education once again sponsored the annual Postdoctoral Scholars Research Forum in May 2003.

Research Web Site (www.med.research.uc.edu)
The Research Web site continued to be updated in 2003 with the addition of links that were thought to be of interest to the UC researcher. This site continues to be one of the most popular academic research sites in the country.

The newest addition to our Research Web site is the eXpertise system. eXpertise is a search tool, wherein potential students and other visitors, as well as UC faculty and students, can search for research expertise at the UC Medical Center. It is the only search tool on our Web site that allows users to search the entire Medical Center by keywords descriptive of research focus areas. It will help potential trainees or collaborators explore the diversity of research available at UC and to identify specific investigators in any research area.

eXpertise has the potential for many functionalities. The first phase of the eXpertise project is complete with the introduction of the Search Our eXpertise database. Future plans include the development of individual home pages for our faculty and researchers who will be able to customize their own portal into the UC Medical Center Web site to update their own eXpertise, biosketches and CVs, keep track of their training requirements and sign up for eCourses, receive funding alert notifications, and take advantage of many other Web-based services at the university and the Medical Center.

Departmental Research Reports
Each department was invited to submit a report on major research accomplishments and the following have done so:

Cell Biology, Neurobiology and Anatomy—This year, the department secured more than $10 million in extramural funds and published numerous papers in first tier journals such as Science and Nature Neuroscience. Peter Stambrook continues as editor in chief for Mutation Research: Fundamental and Molecular Mechanisms for the Americas, and was voted President Elect of the Environmental Mutagen Society. The department administers three interdepartmental training grants, one of which was renewed this year for an additional five years. This was the National
Institute of Environmental Health Sciences (NIEHS) training grant titled, “Environmental Carcinogenesis and Mutagenesis,” directed by Dr. Stambrook. He is also the PI of the Cincinnati Center and chair of the steering committee of a multi-institutional NIH consortium, “Comparative Mouse Genomics Centers Consortium.” In December 2003, the department hosted two major symposia attended by investigators nationally and internationally. The first was the Jensen Symposium, attended by over 350 participants, which honored Dr. Elwood Jensen’s many seminal achievements, particularly his discovery of the estrogen receptor. Dr. Jensen is Cincinnati’s sole member of the US National Academy of Sciences. The second symposium, which drew 75 registrants from around the country and from Europe, was titled, “SNPs: Haplotypes and Disease.”

Dermatology—NIEHs awarded Dr. Zalfa Abdel-Malek a $1.9M grant for “Signaling Pathways for UV-Induced Melanogenic Response.” Dr. Abdel-Malek was also the recipient of funding for a CEG pilot project, a grant with Ohio Cancer Research Associates and a Johnson & Johnson Skin Research Training Grant. Dr. Ray Boissy was awarded two NIH R01 grants and also a grant from the Procter & Gamble Company. The Centers for Disease Control awarded Dr. Charles Heaton a grant for the STD-HIV Prevention Training Center, one of only ten centers in the US.

Environmental Health—The department is part of a multi-disciplinary Breast Cancer and the Environment Research Center funded by NIEHS and NCI. The UC - CCHMC Center is one of four national research centers. The seven-year, $9.6 million, grant is titled, “Puberty and Cancer Initiation: Environment, Diet and Obesity.” It is commonly referred to as Growing Up Female. Dr. Sue Heffelfinger, Department of Pathology, is the center director, and Dr. Robert Bornschein, Department of Environmental Health, is the deputy center director. A five-year program project grant titled, “Chemoprevention of Lung Cancer,” for $15.4M, was awarded in 2003 with Dr. Marshall Anderson, principal investigator. Other COM faculty members involved are Drs. Ralph Buncher, Howard Shertzer and Jay Tichelaar, all in the Department of Environmental Health. The grant involves collaborators at the British Columbia Cancer Agency, Washington University and the University of Minnesota. Ms. Joyce Martin is director of the Environmental Policy Center. The Center organized and moderated a workshop titled Sprawl: The Impact on Vulnerable Populations, which was underwritten by the NIEHS. Ms. Martin also developed and implemented a workshop for state and local environmental and health officials on the consequences of bioterrorism on their professional responsibilities. NIEHS awarded a supplement to The Midwest Consortium for Hazardous Waste Worker (MWC) Training to develop and implement training in five areas relevant to weapons of mass destruction: hazard detection, handling contaminated victims, maintaining crime scene integrity, planning for stress management, and implementation of the Unified Command System. The MWC is made up of 15 universities, labor organizations and community groups throughout eight states in the Midwest.

Family Medicine—Research efforts in the department have greatly expanded from a few small pilot projects in 1996 to more than $600,000 per year from external grants for research activities in both 2002 and 2003 - a remarkable achievement in a discipline that has only recently begun to establish its own research base. Funded research in 2003 involving UC Family Medicine Research Division faculty included important awards from the Robert Wood Johnson
Foundation, Agency for Healthcare Research and Quality, and the NIH. Areas of research emphasis in the department include patient safety, improving care for underserved populations, geriatrics and end-of-life care, headache care in family practice, and domestic violence. In 2003, multiple Family Medicine grants from HRSA tested new methods for fellowship and residency training in the care of underserved populations, training in geriatric medicine for students in several Family Medicine courses, and educating students and Family Medicine residents in home and hospice care. Our most recent educational grant is a $2 million, four-year project funded by the Donald Reynolds Foundation, led by Gregg Warshaw, MD, and the Office of Geriatric Medicine. This project, in partnership with all primary care departments in the College of Medicine, is implementing and evaluating new geriatric education efforts for students, residents, fellows, faculty, and community physicians. Dr. Warshaw has also partnered with the UC Institute for Health Policy and Health Services Research (IHPHSR) to continue research funded by the Association of Directors of Geriatric Academic Programs to study the growth and development of geriatric medicine in the United States – a three-year, $650,000 project funded through October 2005.

**Genome Science**—New in 2003, the Genome Research Institute (GRI) and the Genome Science Department had a number of notable accomplishments. GRI and its partners, Cincinnati Children’s, Wright State, Procter & Gamble Pharmaceuticals, Acero and the Air Force Research Lab, finalized their $9M BRTT contract with the State of Ohio and began the creation of a genome research infrastructure. The GRI was awarded a Hayes Investment Award of $1M for additional Proteomics and Protein Characterization equipment. GRI partnered with Girindus America and was awarded a Third Frontier Action Fund award for $1M to build an intermediate scale oligonucleotide facility. The GRI received equipment from Procter & Gamble worth over $1M, which will expand its research infrastructure. GRI investigators received NIH funds in excess of $1M to support project grants. Genome Science recruited eight new faculty who will conduct basic research with application to obesity, diabetes and cancer. The GRI core facilities for genomics, proteomics, target validation via zebra fish and rodent models, and medicinal chemistry have recruited core directors and started operation. GRI’s official grand opening was held in October 2003.

**Hoxworth Blood Center**—Jose A. Cancelas, MD, PhD, has been appointed director of the Research Division at Hoxworth Blood Center. Dr. Cancelas has spent the last 12 years researching hematopoiesis and stem cell biology and will apply this basic knowledge on stem cell biology to clinical applications in the therapy of degenerative diseases, cancers and immunodeficiencies. Clinical trials on blood related equipment and processes conducted at the Blood Center have totaled over $230,000 in revenues for calendar year 2003. Grants are pending from the National Blood Foundation, The Stem Cell Research Foundation and the National Heart, Lung, and Blood Institute.
Internal Medicine—Cardiology faculty published a paper in *Circ Res*, which is the sixth in a series of papers that, together, constitute the first and only comprehensive characterization of protein kinase C isoforms in the in vivo mouse heart. Pulmonary and Cardiology collaborated on a detailed mechanistic study of one of the beta-adrenergic receptor polymorphisms, which was published in *Nature Medicine* October 2003. In the Digestive Disease Division, Dr. Kenneth Sherman was awarded two new NIH grants during 2003. Dr. Stephen Zucker was awarded an R21 grant during 2003—“NIH/NIDDK, Anti-inflammatory Properties of Unconjugated Bilirubin.” In the Endocrinology division, a paper written by Brehm, Seeley, Daniels and D’Alessio in the *J Clin Endo Metab* was the first published paper systematically comparing the effects of low fat and very low carbohydrate (“Atkins”) diets on body weight loss and cardiovascular risk factors, and sparked a reappraisal of the value of low carbohydrate diets by the medical community. This paper has been widely quoted by news organizations, has had high impact on the lay public, and was one of the most cited papers in the medical literature according to Medscape. In General Internal Medicine, Dr. Joel Tsevat received a five-year NIH-NCCAM K24 grant on Mentorship and Research in Spirituality and Health. He and Dr. Marta Render also received a VA grant on Tools Ensuring Consumer Healthcare Safety. In the Hematology-Oncology division, a five year grant of $1.7M was received from the NIH/NCI by Malaya and Sunil Chatterjee for their project, “Rational Design of Therapeutic Vaccines for CEA-positive Tumors.” In 2003, the Cincinnati Comprehensive Sickle Cell Center was funded by the NIH for the next five years. The center is headquartered at Cincinnati Children’s. The Hematology/Oncology division of the COM participates in the center with both a basic research project and an adult clinical core.

In the Division of Immunology, Dr. Fred Finkelman is the PI of a program project grant, headed by Dr. Marcia Wills-Karp, which is expected to receive formal notification of funding in January 2004. The division now has more than $2M a year in direct costs on federal grants. A patent will be awarded for “Methods for measuring in vivo cytokine production,” invented by Dr. Finkelman and Dr. Suzanne Morris. Dr. Finkelman was also elected a Fellow of the AAAS. Dr. Evelyn Hess was awarded a gold medal by PANLAR for distinguished service, was appointed to the Executive Committee of the USP, served as Governor of the Ohio branch of the ACP for the first half-year, and was appointed to the Scientific Committee of the ACP. In the Infectious Diseases division, Drs. Melanie Cushion and Peter Walzer have filed patents for anti-Pneumocystis compounds Dr. Deepe is co-PI on an NIH training grant, “Training in Biological Threat Agents.” Three major published reports from the Nephrology division faculty provided novel insights into the regulation of stomach and kidney functions. In the division of Pulmonary and Critical Care Medicine, Drs. Trapnell and McCormack obtained a $5.5M Rare Lung Diseases Clinical Research Network grant from the NIH, the National Center for Research Resources and the Office of Rare Diseases to conduct multicenter international lung disease studies. The Cardio-Pulmonary Research Center continues to carry out basic and genetic studies of mechanisms of asthma and heart failure, with 13 publications. A Third Frontier grant of $25.2M was received by UC and Cincinnati Children’s. Dr. Steve Liggett was responsible for procuring $9M of this grant to fund the Collaborative Center for Computational Medicine.

Neurology—In academic year 2003, the department was very productive with 16 new research awards that spanned a broad range of scientific endeavors from basic science to international clinical trials. The research areas of interest were also broad, ranging from research into brain...
imaging of patients with epileptic seizures to changes in genomic response associated with pediatric headaches and causes of spasm of brain arteries in the setting of subarachnoid hemorrhage. The department had its first program-project grant (PPG) awarded by the NINDS for study of recanalization in acute stroke. We were also awarded a 23-center international study by the NINDS to identify the genes related to intracranial aneurysms. At the end of 2003, Dr. Tracy Glauser, in the Division of Child Neurology in the Department of Pediatrics, was funded by the NINDS to begin a large multi-center randomized treatment trial of epilepsy in children. Dr. Brett Kissela became the sixth faculty member in the department and in the Division of Pediatric Neurology in the Department of Pediatrics to receive a K award from the NINDS for clinical research training. Dr. Joe Clark filed several patent applications and several invention disclosures.

**Obstetrics & Gynecology**—The department has had another successful year in research with awards exceeding $5.5M, and a national ranking of 14th out of 77 departments at medical schools. Notable projects include the following: Dr. Gass’ projects from the National Heart, Lung and Blood Institute for work on the Women’s Health Initiative for $2.8M which has been extended for another two years; Dr. Myatt’s projects, “Protein Nitration in the Placenta,” for $345,375, and “Regulation of Prostaglandin Receptors in Myometrium,” for $275,400; Dr. Thomas’ BufferGel project titled, “A Randomized Controlled Study of the Efficacy, Safety, and Acceptability of BufferGel” for $335,829; and Dr. Ray Bahado-Singh’s project, “Topiramate Pharmacokinetics/Dynamics in Pregnancy” and a new application for an award in Fetal Pharmacology. Additional highlights include: the Women’s Reproductive Health Research Scholars Program conducted by Drs. Sibai and Myatt and three scholars from the training grant presented their research at an NIH meeting. There is also great excitement as we explore more research opportunities such as fetal surgery research, and other breakthroughs benefited by the hard work and dedication of our faculty and advances in technology.

**Pathology & Lab Medicine**—The department currently has over $12M in total funding for the year. Close to $11M of this comes from the NIH-related institutes. Within this large funding base, several multimillion dollar grants, including Dr. David Hui’s PPG on the Molecular Mechanisms of Cholesterol Absorption, Dr. Sue Heffelfinger’s R01 grant on Puberty and Cancer Initiation: Environment, Diet and Obesity, and Dr. Patrick Tso’s Cincinnati Mouse Diabetes Phenotype Center. This funding base is distributed among 17 active investigators. Areas of research emphasis in the department continue to be cardiovascular disease, obesity, cancer, evidence of fungal virulence and ileal cell signaling mechanisms.

**Pediatrics/Cincinnati Children’s Hospital Medical Center**—Recipients of multi-investigator grants in 2003 included Dr. Tracy Glauser for “Childhood Absence Epilepsy: Rx, PK-PD-Pharmacogenetics” and Dr. Bruce Trapnell for “Rare Disease Clinical Research Network.” Dr. William Ball in Pediatric Radiology was awarded a T32 training grant for pediatric imaging research. Many faculty received awards during 2003. Among them were: Woody Benson, MD, – Helen B. Taussig Memorial Lecture Award; David Glass, MD, - Distinguished Investigator Award of the American College of Rheumatology; Brian Jacobs, MD, – Nicholas E. Davies Award of Excellence for 2003 of the Healthcare Information and Management System Society; Monica Mitchell, PhD, – AAMC Herbert W. Nickens, MD, Minority Faculty Fellowship Award of the AAMC; William Schubert, MD, – Murray Davidson Award of the Section on
Gastroenterology and Nutrition of the American Academy of Pediatrics; and Thomas Boat, MD,— St. Gene Award of the Federation of Pediatric Societies. Several program project and center grants were awarded by the NIH, Dr. Clint Joiner for the Comprehensive Sickle Cell Center, Dr. Mitchell Cohen for the Digestive Disease Research Development Center and Dr. Jorge Bezerra for the Biliary Atresia Research Center.

**Psychiatry**—In 2003, 29 principal investigators in the department successfully competed for NIH funding for $14,402,452 in direct and indirect costs. These investigators are conducting important clinical and basic research in schizophrenia, bipolar disorder, drug abuse, post-traumatic stress disorder, neuroendocrinology, fibromyalgia and obesity. Researchers in the department also attracted $755,464 in funding from the Stanley Medical Research Institute, American Diabetes Association, and NARSAD for research in bipolar disorder, depression, and metabolic side effects of psychiatric medications. Twenty-three investigators conducted pivotal clinical trials of new medications for the treatment of people with schizophrenia, bipolar disorder, depression, eating disorders, obesity, drug abuse, gambling, fibromyalgia, sexual dysfunction and anxiety disorders yielding $3,907,386 in grants. Researchers in the department provided critical leadership roles in the Center for Imaging Research (CIR) and the Cincinnati Veterans Affairs Medical Center General Clinical Research Center. Lastly, experts in the department were quoted in *Time*, the *Wall Street Journal*, and *Forbes*, among other publications regarding scientific advances.

**Radiology**—The department had significant growth in research activities in 2003. Our principle activity was participation in the American College of Radiology Imaging Network (ACRIN). Mary Mahoney, MD, is the institutional PI for the Digital Mammography Imaging Screening Trial (DMIST). During 2003, UC Radiology enrolled approximately 1,000 patients into this important trial. UC Radiology was also selected as a site for the ACRIN Breast Cancer MRI Trial and is now accruing patients into this trial as well. Radiation Oncology continued their involvement in the Radiation Therapy Oncology Group (RTOG). Kevin Redmond, MD, is the institutional PI for this program. The department also recruited several faculty in 2003. This will allow faculty to become more involved in research activities in the future. New faculty and existing faculty with emerging research interests include Todd Abruzzo, MD, and development of innovative intracranial coils, K. Ann Coe, MD, and cardiac MR, Cris Meyer, MD, and cardiac CT and Ken Weiss, MD, and neuro-MRI.

**Surgery**—The past year has witnessed significant development of research in the department. The department has organized fundamental research around multidisciplinary laboratories focused on areas critical to understanding and treating diseases amenable to or accompanying surgical therapies. Two such laboratories, Trauma, Sepsis, and Inflammation and Epithelial Pathobiology, were enlarged this year by the recruitment of new PhD investigators. The Trauma group also enjoyed growth by moved into newly renovated laboratories. In addition, the opening of the Center for Surgical Innovation (CSI), which will lead efforts to apply novel technologies to surgery, has already attracted industry and government investors as well as experts in imaging, simulation, robotics and telemedicine. The success of these initiatives is already demonstrated by the department’s rank of 15th among 80 departments nationwide in grants from the NIH, surpassing peer departments in such institutions as Johns Hopkins, Columbia, Ohio State, Vanderbilt, and Emory. The renewal of two NIH training grants and the funding of a new third
training grant brought the department’s total NIH funding for the past year to approximately $3.7 million. Combined with funding from the Shriners of North America, Veterans Administration, Children’s Hospital Medical Center and other sources, the department’s total grant awards during the past year exceeded $9 million.

**Graduate Education**

Centralized recruitment support for all 12 graduate programs through the Office of Research and Graduate Education continues to enhance the visibility and competitiveness of our college within the sphere of biomedical science programs nationally. We raised stipend levels to maintain a competitive level of student support, are recruiting and retaining an outstanding graduate faculty, and are improving support for postdoctoral fellows. Highlights from centralized recruiting and from the individual graduate programs in the UC COM are presented here. For more detailed information, or for copies of recruitment materials, please contact the Office of Research and Graduate Education.

Our graduate programs have been evaluated extensively over the past few years, both by external and internal peer review groups for the university and by external consultants to the Ohio Board of Regents. These review groups recommended that all of our programs continue to receive full funding. It is significant that during the last statewide review of 96 PhD programs, only five received the designation of competitive at the highest national level by the Ohio Board of Regents, and that two of our own graduate programs, Developmental Biology and Environmental Health, were included in this group. The Council on Graduate Education has initiated a schedule of program reviews this year, beginning with Molecular Genetics, Environmental Health, Developmental Biology and Medical Physics.

A new graduate program in Immunobiology has recently received OBR approval and has started recruiting students for Fall 2004.

**Graduate Student Enrollment**

Our 12 graduate programs matriculated 111 students in 2003 and graduated 50 students (15 MS, 35 PhD), bringing our total student body to 384, of which about 62% are domestic students. A survey of our graduate programs indicates that the time to degree for our 2003 graduates averaged 5.4 years for PhD, and 2.6 for MS (including part time students). The attrition rate across all programs averaged 2.3% in 2002.

The quality of our new matriculates continues to be very high. The cumulative grade point average of all new students for the College of Medicine was 3.40 (4.0 scale). The average Quantitative GRE was 682, Verbal was 528, bringing the cumulative average to 1210. **Figure 6** shows cumulative grade point averages (GPA) of new matriculates and the College average for 2003. **Figure 7** shows average combined Quantitative and Verbal GRE scores of 2003 matriculates in individual programs and the College average. **Figures 8** indicates how many of our new graduate students are from this region, other US locations, or international.
Figure 6

GPA of New Matriculates (2003)
Figure 7

GRE Scores of New Matriculates (2003)
i-Recruitment and the Graduate Education Web site (www.med.uc.edu/GradEd)

This year, the Office of Research and Graduate Education continued the implementation of our i-Recruitment Initiative. The focus of this plan is to develop a recruitment system that utilizes web based databases and communications systems, as well as promotional and marketing strategies that implement the internet or drive users to our Web site.

The Graduate Education Web site is becoming a dynamic experience for prospective graduate students. This was our second year utilizing the ApplyYourself Prospecting System, which has enabled us to use our Web site as a front end for a database to collect information about prospective students. Our Web site is the major focus of our i-Recruitment strategy and will continue to receive updates and new material throughout the year.
The following is a brief list of some of the strategies employed this year:

- Continued use of a web-based prospective database (ApplyYourself), with the goal of developing an in-house product similar in function by next year. The major use cases for this system will be to:
  - Communicate with prospective students and their undergraduate advisors
  - Track and organize prospects
  - Run reports for data analysis
  - Track recruitment outcomes
- Continued development of the Graduate Education Web site, especially to incorporate the new eXpertise database into our recruitment effort
- Collaborated with Dean’s Office to develop centralized support for College of Medicine summer research opportunities
- Produced new recruitment materials and promotional items to drive people to our Web site
- Increased advertisement of graduate programs, especially in college newspapers

Undergraduate Visitation Day
This summer we hosted a very successful open house for potential applicants to our graduate programs, which featured a picnic luncheon in Levine Park. Nearly 40 undergraduate students attended the Undergraduate Visitation Day. Several of these visitors have subsequently applied for summer programs and graduate programs in the College of Medicine for 2004.

Minority Recruitment and Matriculation
In addition to i-Recruitment, we have set a goal to increase the number of applications from underrepresented populations. Toward this goal, we have increased the number of visits and presentations to undergraduate science students at historically black colleges. This year we gave presentations to students at several historically black or predominantly black colleges, including Tennessee State University, Fisk University, Oakwood College in Huntsville, Chicago State University and Spelman College in Atlanta. In addition, we recruited at the McNair Scholars Conference at Penn State University, the Annual Biomedical Research Conference for Minority Students, and the Society for Advancement of Chicanos and Native Americans in Science.

Figure 10 shows that 13% of the current graduate student body in the College of Medicine is from underrepresented populations.
Undergraduate Summer Research Program
A major goal of the Undergraduate Summer Research Program is to promote careers in science and to recruit potential graduate students. Our ongoing collaborative effort with all the graduate programs provides a meaningful and memorable research experience to our undergraduate summer fellows. The Biomedical Sciences Flex Option (Flex), Cell and Molecular Biology, Molecular and Developmental Biology, and the Physician Scientist Training Program sponsored nearly 100 undergraduate summer research fellows in the Summer 2003. The students represented undergraduate institutions from all over the US, and each spent 8-10 weeks participating in research projects in biomedical laboratories across the Medical Center. Because of the cooperative approach taken by the various programs, the activities of all summer research fellows in the College of Medicine were varied and numerous. The fellows got to meet each other at a summer orientation, and during the course of the summer, they attended weekly seminars, journal clubs and lunch meetings, and took several field trips.

Graduate Program Reports (Current enrollment in parentheses)
Each Graduate Program was invited to submit a report and the following have done so:

Biomedical Engineering (13) - With the approval of the graduate degrees, UC Biomedical Engineering was able to move forward with admission of graduate students into the department. Thirteen (13) new students were pre-selected based on high GRE (avg. = 1990), TOEFL (avg. = 263), and grade point averages (avg. = 3.5 on 4.0 scale). In addition, students were selected into the three focus areas (tissue engineering and biomechanics [7], medical imaging [3], and bioinformatics [3]) only if primary and secondary faculty agreed to support these students after the first year of departmental graduate assistantship support. Twelve of the 13 students are pursuing PhD degrees and one is pursuing a MS degree. These students have diverse backgrounds (mechanical and electrical engineering, physics, genetics, computer science) and are proving to be of excellent quality. The students are already working with their major advisors on pilot projects as part of their Graduate Survey Course. These advisors are both
primary and secondary faculty members who are also helping them to select courses and thesis/dissertation projects.

**Radiological Sciences/Medical Physics (4 MS)** - Two students completed the program in medical physics in 2003. Both individuals accepted positions in radiation oncology departments in cancer centers: one in South Carolina and one in Indiana. Two students continued in our program and three students matriculated into the program. One of the newly matriculated students previously completed an MS degree in another field. The newly matriculated students are from Ohio, Indiana and Louisiana. One of the newly matriculated students is the son of a program alumnus. With regard to program graduates, three have completed Part I of the American Board of Radiology Examination in Therapeutic Radiological Physics, two completed Part II, and two completed Part III of the examination.

**Molecular Genetics, Biochemistry and Microbiology (53 PhD, 6 MS)** – The Graduate Program in Molecular Genetics was the first program in the College of Medicine to be quality-reviewed according to the new 5-year cycle created by the Office of Research and Advanced Studies. In the final report issued in June 2003 the program was commended by that office “for maintaining an outstanding graduate program that is exemplary and worthy of greater university investment.” Graduate training will receive an additional boost since the department was awarded a new 5-year training grant from NIH in Biologic Threat Agents. The recruiting year was successful in that 9 outstanding students were admitted to the doctoral and 2 to the master’s programs. Among the honors garnered by current students during 2003 were Ryan Fellowships (2), DOE Fellowships (2), University Distinguished Graduate Fellowships (1), URC Summer Fellowships, and several travel awards to meetings (including overseas presentations in Canada, Germany, Scotland and Sweden), as well as at prestigious US venues such as the Keystone Symposia and the Cold Spring Harbor Symposia. In addition, awards included one for the best short talk at the Keystone Symposium on Chemokines to one of our Ph.D students, as well as the Robert G. Siekert American Heart Association/American Stroke Association New Investigator award to one of our MS students. First, second and third places were awarded to our students in the University and College of Medicine graduate poster forums. Fourteen of our students published their research in 22 peer-reviewed publications, of which Molecular Genetics students were first authors in 10 instances, publishing in such prestigious journals as *Nature Cell Biology, Cancer Cell, JAMA, Current Biology* and *Journal of Biological Chemistry*. During 2003, seven students graduated (4 PhD, 3 M.S.) – all have continued in scientific research and/or teaching, including one doctoral graduate who transitioned directly to an Assistant Professor position in Texas. Overall, the program continues to provide an educational and research experience that is second to none, and we look to the future with enhanced confidence and expectations of ourselves and our students.

**Molecular and Developmental Biology (43 PhD)** - In 2003, the MDB program continued its recruitment initiatives, especially on the web with new home pages for the program and enhanced visibility on the Petersons.com and GradSchool.com sites. The program matriculated 10 new doctoral students, three of whom are PSTP students. Two of our new students received Functional Genomics Fellowships. We have one unusual new student, a US trained physician in pediatric surgery who received his MD degree from the University of Florida and has already
completed 2 years of his surgical residency and is taking leave from that to earn a PhD in developmental liver diseases before completing his residency program.

The program faculty continued to grow, from 59 last year to 64 at present. The new faculty members are all from the Department of Pediatrics. The newest members are from the divisions of developmental biology, ophthalmology, pulmonary biology, and molecular immunology. Program faculty continue to hold three NIH training grants, with a fourth training grant submitted this year focusing directly on Developmental Biology with Chris Wylie as the Program Director. In the last 12 months the program graduated 5 students (Carey, Martin, Plank, Mendoza, and Miller). Of these, 3 received their doctoral and 2 their master’s degrees (both of the latter took terminal master’s degrees for personal not academic reasons). Drs. Carey and Miller have accepted postdoctoral fellowships and Dr. Plank has entered medical school. Facility improvements continued in 2003 with several more floors renovated, but the big news is that the old Children’s Hospital is being demolished and the site is planned for construction of a new research building that will represent a major expansion of the Children’s research complex, which already occupies 425,000 sq. ft. 2003 was also noteworthy by the completion of the search to fill the new endowed chair in developmental neurobiology. The department hired Professor Masato Nakafuku, PhD, to fill the State of Ohio Eminent Scholar’s position. Dr. Nakafuku arrived this summer with his entire laboratory from the University of Tokyo and immediately joined the MDB faculty. We are looking forward to his enhancement of our developmental neurobiology group, which he will head. Several more faculty searches remain in progress and we anticipate further faculty growth in 2004.

*Molecular, Cellular & Biochemical Pharmacology (21 PhD)* - Several of our graduate students have been recipients of the prestigious Ryan Award, University Distinguished Graduate Fellowship (UDGF), Yates Fellowship and Zenith Fellowship. Our graduate students have recently been awarded highly competitive fellowships from the American Heart Association, reflecting the strength of our program mentors and students. In addition, our students continue to be awarded positions on interdepartmental NIH Training Grants. A number of our past students have been recognized in the Graduate Student Research Forum poster competition; in 2003, our graduate students placed first, second and third for this competition. We continue to attract students from the MD/PhD program and the College of Medicine FLEX program. We continue to attract minority and learning disabled students. As an additional tool for minority recruitment, two of our faculty have recently been awarded minority supplements on their NIH grants which support two minority research assistants. We anticipate that this exposure will assist the department in recruitment of minorities into our graduate program. The department has recently recruited additional faculty who provide expanded training opportunities for our students and will assist in further recruitment.

*Molecular and Cellular Physiology (16 PhD)* - Six students have been awarded appointments to our NIH Training Grant. One student was the recipient of a University Distinguished Graduate Fellowship, one student was awarded a Yates Fellowship and another was given a Functional Genomics award. The Department provides opportunities for transgenic research with focus on membrane biophysics, molecular endocrinology, neurophysiology, cardiovascular, pulmonary and renal physiology, cellular signal transduction, gene regulation, proteomics and functional genomics.
**Physician Scientist Training Program (11 MD/PhD)** – This year was another strong year for the PSTP. Applications again increased to over 90 and we matriculated seven students from Ohio State University, University of Dayton, University of Michigan and Miami University, Ohio. This year, we graduated five individuals with combined MD/PhD degrees who accepted residencies at Duke University, University of North Carolina, Chapel Hill, Massachusetts General Hospital, Good Samaritan Hospital, Cincinnati and Children’s Hospital of Philadelphia programs. Four students gained their PhD’s and rejoined the clinical biennium while two students in the clinical biennium were elected to AOA in 2003.
Office of the Dean

- Continuation of the implementation of the College of Nursing Strategic Plan.
- Worked with consultant, Dr. Daniel Pesut, who assisted the College in the development of the Vision. The Vision statement approved by College of Nursing faculty, staff and administration is “Transforming Healthcare Through Innovative Education and Research”.
- Renegotiated Yonsei University budgetary contract for a period of two years. Per request of Seoul National University, met with Dean and College of Nursing representatives to discuss feasibility of a partnership between them and the College of Nursing. Outcome of meeting was a proposed plan for their visit to the College of Nursing during the 2003 – 2004 academic year.
- Sustained another round of budget cuts to the entire College. Impact of budget reductions resulted in a decrease of operating dollars, loss of part-time faculty, decrease of support staff/assistants, a decrease in course offerings during Spring Quarter, 2003.
- Prepared impact statement of budgetary reductions, which was submitted to the Chief Financial Officer of the University, Mr. Dale McGirr and President Steger. Impact statement projected a loss of approximately $1.2 million should the College be required to sustain a budgetary loss per reduction of over $200,000. Outcome of impact statement submitted to University: no response with no change in budgetary reductions. As for Fiscal Year 03, the College of Nursing sustained budget reductions, with resultant loss of tuition and subsidy revenue due to decrease in course offerings and availability of part-time faculty for didactic and clinical teaching.
- This academic year was my decanal review with outcome of reappointment as Dean for another term of 5 years, 2004 – 2009. June, 2003: Board of Trustees’ approved the reappointment of my term.
- Spring 2003, I assisted through participatory leadership in the revision of BSN Undergraduate basic curriculum. Faculty were identified and served on a task force that designed an incentive with overall direction for the entire BSN teaching faculty related to curricular change. Task forces were formed. Level groups were established along with a Curriculum BSN Sub-Committee. Each group was formed with faculty that were experts in respective content areas with responsibility and authority to identify needed curricular change and content integration. Outcome: Resultant from the “grass roots” activity in 3 1/2 months (as compared to 2-3 averages) faculty revised and approved the new curricular approach. Significant positive achievement by all!!
- Appointed Interim Director of the Undergraduate Curriculum.
- Revision of graduate level majors and core courses continued throughout the academic year and were finalized and approved by faculty at the June, 2003 Annual Faculty Organization Meeting.
- Graduate programs with low enrollment were continued to be placed on hold for admission, i.e. Genetics, Gerontology, Oncology, and options within the Psychiatric/Mental Health Nursing major.
• There was an increase in submission of research proposals as well as programmatic grants. Dr. Elizabeth Betemps and Dr. Joann Ruiz-Bueno received programmatic grant funding for a program which will provide a new focus in the Psychiatric Advanced Nurse Practitioner major.

• Facilitated and participated in the preparation of the progress report to Commission on Collegiate Nursing Education (CCNE) per accreditation requirements. Progress report focused on a key element. *Key Element IV-A Standard 3: curriculum grading policies were not consistently applied.* Data was presented for all courses at the Baccalaureate and Masters program with supporting documentation that our belief that policies related to grading have been revised and consistently applied.

• Participated in the preparation for and the on-site review by the Ohio State Board of Nursing for continued approval of our Baccalaureate Program. The on-site reviewer spent 2 ½ days reviewing documentation, meeting with students and faculty and with visits to clinical placements. Outcome of the on-site visit with report was a recommendation to the Board for approval with no citations. The College of Nursing received full approval for five years with no recommendations by the Ohio Board of Nursing at the July, 2003 Board Meeting.

• This academic year was a year of change in leaderships. Dr. Don Harrison, Senior Associate Vice President for Health Affairs stepped out of his position, January 1, 2003 and Dr. Thomas Boat became Interim Provost to whom I directly reported. As expected, a period of time of adjustments and learning for me occurred.

• Established collaborative relationships with Christ Hospital with my resulting agreement to participate in the interview procedure for the search for Vice President for Nursing Services within Christ Hospital.

• Interdisciplinary activities negotiated with College of Medicine for Nutrition Interdisciplinary teaching by College of Nursing faculty, Dr. Brehm.

**Boards and Committees**


• Served on Senior VP/Provost for Health Affairs Search Committee. Successfully recruited Dr. Jane Henney.

• Member:
  • Dean’s Council, Vice Chair
  • Provost and Dean’s, West Campus
  • Sr. Vice President Provost/Deans East Campus
  • Medical Center Planning for the Millennium Committee
  • Integrated Information Oversight Steering Committee
  • Served as Dr. Harrison/Dr. Boat’s representative as chair of the Advisory Committee for the (LEND) Project of CCDDD.
  • Continued as an external director of the corporation Omnicare Inc. Board and the Incentive Compensation and Audit Committees.
Continued as elected Secretary/Treasurer of the Council on Accreditation of Nurse Anesthesia Education Programs (COA) in Chicago, Illinois.

- Re-elected as a member of the Board of Accreditation in the position University Representative for a term until 2007.
- Federal Interagency Planning Committee, National Forum Planning Committee, Environmental Protection Agency (The National Environmental Education Training Foundation). Continued as co-project director and finalized two documents for undergraduate and graduate education in nursing and medicine entitled, “Content Resource and Competencies Essential in the Curriculum for Educational Programs”
- National Pesticide Competency Guidelines for Medical and Nursing Education.
- National Pesticide Practice Skills Guidelines for Medical and Nursing Practice.
- Served on the National Forum Meeting June, 2003 in Washington, D.C. as representative, co-project director for the pesticide project.
- Health Volunteers Overseas, continued to serve as AACN representative to the Nurse Overseas Steering Committee in Washington, D.C.
- Commission on Collegiate Nursing Education Accreditation Program evaluator and received updated training.
- Greater Cincinnati Nurse Executive Member
- Ohio Association of Colleges of Nursing Deans Member
- Summit on Nursing Shortage Member, Nursing Workforce Initiative sponsored by the Greater Cincinnati Health Council

International
- Signed Memorandum of Agreement between the College and the College of Nursing, Yonsei University, Seoul Korea related to budgetary components.
- Presented at a conference in Florianopolis, Brazil, August 27, 2002 CICAD International Conference on Leadership and Integration of Alcohol Abuse into Curriculum
- Continued Director appointment of Tina Weitkamp for the College’s Center for International Affairs.

Appointments
- Elected by the Dean’s Council as Chair Elect Chair for 2003 – 2005.
- Attended the National Advanced Leadership Camp in Fort Louis, Washington July 12-July 15, 2002
- Gave numerous newspaper interviews related to nursing shortage
- Interviewed by US News & World Reports regarding pesticide work for EPA and forthcoming completed documents.

Office of the Associate Dean & Director, PhD Program
Dr. Carol Deets

- The masters’ program was revised by the end of the year due to the hard work of Drs. Ruiz-Bueno and Betemps. The curricular changes are in place and ready for fall registration.
• A new RN-MSN option was created and is in place. There may be as many as 8 new students admitted into that program.
• The APC agreed to allow students to be admitted provisionally without GRE scores since many believed this was the main reason these students had not progressed with their admission.
• The College’s home page was used effectively to accomplish communication among the faculty, students and administration about these changes.
• Changes in the doctoral program are progressing at a much slower rate and must become a higher priority.
• This next year there should be about an 8% increase in admissions. For the PhD program, this next admission group is clearly the best qualified class for the last few years.
• Promotion of a positive image has been mostly through the recruiting materials and Web page. The recruitment materials that have been developed by Ms. Sutton have been outstanding and include the type of information that would recruit highly qualified students.
• The Web page has continued to improve under the direction of Mrs. Hardin.
• The MSN curricula changes were available to students within a month of the decision. The revision of the MSN program based on competencies directly addressed the concern for ensuring that the curriculum reflects the current professional nursing role.
• The faculty were able to reduce the required number of hours and yet ensure that all required competencies were met. Dr. Ruiz-Bueno provided the leadership for this effort.
• Worked closely with Ms. Weitkamp to increase our visibility. Initial work has begun on the possibility of a faculty exchange program with some of the South American countries. Korea and Jordan are also possibilities. A student exchange may be possible with Mexico. Beginning collaborative efforts occurred with representatives from Gambia and the contacts with China have continued. A second revenue-generating project is being considered for Korea.
• Continue to improve the evaluative efforts of the college. The Evaluation committee has worked on the evaluation plan making it easier to understand and to implement. A new reporting system was approved by the Dean. The new system was implemented for this year’s evaluation and employs the annual reports required of all administrators.
• Dr Carroll Quinn has agreed to speak and will continue to act as a consultant. The move to a new philosophy concerning evaluation takes time and it clearly a work in progress.
• Considerable time has been spent in support of the goal of placing as many courses online as possible. Dr. Ruiz-Bueno has worked long and hard at accomplishing this goal. More and more faculty are placing their courses on Blackboard.
• Resources were made available to develop a database that encompasses all aspects of the recruiting efforts and student services data needs for students.

Office of Associate Dean & Continuing Education
Dr. Lou Ann Emerson

• Co-operative education experience for baccalaureate program planned, director hired and first group of students started in June in collaborations with University Hospital.
• Preparation for and management of Ohio Board of Nursing every five year program approval, survey visit resulting in continuation of College’s approval continued with no recommendations made.
• Initial discussions regarding revision of undergraduate curriculum undertaken.
• Beginning implementation of online Web-based course and faculty evaluation through “Students on the Move” platform.
• Provision of College of Nursing input in implementation of IAIMS grant as member of Steering Committee.
• Participated in Medical Center planning for implementation of HIPAA regulations and impact on students and faculty in College.
• Review of courses from other nursing programs for input into UC course equivalency database for advanced standing.
• Preparation of selected college reports for external agencies and organizations.
• Management of College’s exit examination process for BSN students.
• Management of clinical placements including contracting and letters of agreement, student rotations, faculty requests and evaluation.
• Dissemination of College course and registration information to appropriate offices in the University, clinical agencies, students and faculty and problem solving related to student registration issues.
• Continuation of collection of data and evaluation of effectiveness of First Year Experience (FYE) course Success in College and Nursing supported by University Collaboration for Success grant.
• Provision of service to alumni for verification of preparation for practice to employers and boards of nursing nationally and internationally.
• Facilitation of resolution of issues arising in the Student Affairs area.
• Oversight of the College’s Continuing Education activities and maintenance of OBN Approver Unit. Became a Trainer on OBN Laws and Rules to legitimately provide programs to meet the new OBN requirement that all nurse in the state complete one hour of CE in the area during each licensure renewal period.

Achievement of Goals for 2002-03
• Continue development of co-op program with approval of curriculum and implementation of the program no later than the 2003-04 academic year. Program Director hired to complete planning and implementation Program reviewed by staff at Ohio Board of Nursing to be sure in compliance with rules. Due to curriculum and staffing issues, true co-op program of one quarter course work and one quarter of work not feasible for implementation. Interim program designed to permit students to have intense summer experience between Junior and Senior years and then work a minimum of 16 hours per month during their senior year. As the BSN curriculum is revised co-op plan will be re-examined.
• Continue efforts to reduce time spent by faculty and staff in activities that do not contribute to the achievement of goals in the College’s strategic plan. Initial efforts to reduce work of faculty in college evaluation process for courses and faculty teaching effectiveness begun using Medical Center IT Collaboratory “Students on the Move” platform for online evaluation. Templates for college evaluation forms were
created. Directions for faculty to create course specific evaluations and publish them to students were developed as well as student directions. Winter and Spring Quarters several faculty used the system to test the system and directions and to identify glitches and pitfalls.

- **Delineate the functioning of the newly assigned role for my position, Associate Dean for Baccalaureate and Administrative affairs.**
  Clarification of function with faculty and movement toward revision of BSN program in response to faculty concerns became a complex process due to a number of factors. Progress toward achievement of goals 3 and 4 was impeded. Efforts to resolve issues required support of the Dean and planning for alternative approach in next academic year.

- **Promote more efficient and effective operation and revision of the BSN and RN/BSN programs that keeps the programs current with the rapidly changing health care arena.**

- **Maintain College’s collaborative position in the Medical Center related to information technology. I continue to maintain visibility and collaboration for the College through activities with the Medical Center through the Distributive Learning Collaboratory and representation on various committees and projects.**

**Office of Business Affairs**

**Director: Susan F. Green**

- Directed day-to-day financial, personnel, and operational activities of the College.
- Successfully submitted the FY 04 electronic budget.
- Continued to schedule and oversee all construction and renovation projects, such and the upgrade of the Student Affairs area, the painting of the 1st and 2nd floors, the Environmental Health project to alleviate the pigeon problem at the College, and the planning for the refacing of Procter Hall.
- Successfully implemented the dual appointments of the College of Medicine Nursing Anesthesia faculty into the College of Medicine.
- Continued to oversee the College scholarship process and the UGS process.
- Developed, submitted and presented College budget to the Interim Provost.
- Completed the faculty salary increase and promotion process.
- Completed the unclassified staff increase process.
- Made presentation to University committees, College committees and community organizations.
- Attended Administrative Services, Faculty Affairs and OSP training sessions.
- Successfully submitted 200% more grant proposals from our office this year.
- Continued to oversee the on-site collaborative presentation of the College’s master’s degree program in Neonatal Nurse Practitioner, Pediatric Nurse Practitioner, and Family Nurse Practitioner at Yonsei University, Seoul, Korea. A new group started this Spring Quarter.
- Chaired search committees.
- Was asked to serve on the CUFs replacement committee and subcommittees.
- Member of the following committees:
  - Information Technology Committee
  - HRAC Committee
• Board of Advisors (Ex-Officio)
• Medical Center Business Administrator’s Committee
• Administrative Services Advisory Committee
• Administrative Committee (Ex-Officio)
• Construction Committee
• Scholarship Committee (Chair)

Office of Recruitment and Marketing
Director: LaVern Sutton

Graduate Activities
• Established a communication flowchart for inquiries to improve communication between the Office of Student Affairs, Department Heads, Program Directors, prospective students and the Office of Recruitment and Marketing.
• Dispersed inquiries on a weekly basis to Department Heads and Program Directors, who made 100% contact with the prospective students (excluding Anesthesia and Accelerated Program)
  • Adult Health Department: 91 inquiries
  • CAP Department: 247 inquiries
  • Parent/Child Department: 240 inquiries
• Increased the number of applications to the graduate program by 67% within the past eleven months (August, 2002 – June, 2003).
• Increased the number of admits to the graduate program by 54% within the past eleven months (August, 2002 – June, 2003).
• Collaborated with the Associate Deans and Electronic Publishing Coordinator, in creating a promotional brochure, bookmarks, pocket-folders, revised printed materials and Web site with a more unified appearance.
• Coordinated the Graduate Recruitment Weekend using an interdisciplinary team consisting of the Associate Dean of the Graduate Program, Graduate Advisor, Department Heads, Programs Directors and faculty.
• Developed and implemented Graduate Information Sessions for prospective graduate students.
• Developed and implemented a graduate preparation session for nursing students entitled, “Is Graduate Education for You?”
• Represented the University and College at recruitment activities, meetings and conferences.

Undergraduate Activities
• Organized the Dean’s Student Ambassador Program
• Coordinated the Army Medical Health Career Day with the University of Cincinnati Army ROTC.
• Collaborated between the College of Allied Health Sciences and the Cincinnati Exploring Program in initiating an educational and hands-on experience health career program for high school students.
• Coordinated efforts between the Dean’s Student Ambassador Program and the Office of Admission in a two-month phonathon for the recruitment of prospective nursing student for fall quarter.
• Organized with the Dean’s Student Ambassadors the Cincinnatus Scholar Reception.
• Planned a health career program for Harmony Community School students interested in nursing.

Centers and Institutes

Center for Academic Technologies & Educational Resources
Director: Karl Hart
• Duplication system to mass produce CDs for students to use in addition to Blackboard
• New recording system for lectures that will faculty to give a PowerPoint presentation while also capturing voice and video.
• New Helpdesk system to track calls as well as inventory
• Online resource site created to help faculty and students
• New server online to convert and stream VHS videos
• Deployed 30+ new computers
• Deployed new Web/Streaming media server
• Deployed and supported 9 Toshiba copiers/Network Printers
• Applied for and received $55,800 to upgrade the network wiring in Procter Hall
• Wireless access points installed
• Increased Computer Security auto patch deployment and monthly vulnerability scanning (no virus outbreaks)
• Online classes on CD-ROM
• College recruitment CD
• Upgraded all computers to Windows 2000 or Windows XP in a goal to eliminate all Windows 98 computer due to security problems.
• Wireless access points were installed to allow users with laptops or PDA’s to connect to the network in all student areas in within the building.
• A duplex unit was added to the printer in the student computer lab to allow students to print on both sides of a page.
• Distributive Learning continues to be a rapidly expanding area for the College of Nursing.
• Provided classroom recording of classes that can then be either online or on a CD. To help the students take full advantage of everything that we offer we can make a duplicate of a class that is on BlackBoard and make it available on a CD.
• Implemented a procedure to convert PowerPoint presentations to Acrobat format. This has many benefits, it is a smaller file size which allows faster downloading, and it can be secured so that the faculty can decide if it can be printed or saved.
• Another area that we are improving is services to the students by digitizing VHS videos so that they no longer have to be checked out. Students can access them online.
• A new Web site was also implemented to provide faculty and students a one-stop-shop for technology resources at www.nursing.uc.edu/VirtualNurse/VNRHome.html.
• Nursing Skills Lab - We have purchased new equipment and training mannequins with OBR funds.
• The Skills Lab has made great improvements to provide better support both faculty and students.
• Additional open lab times so that students that would like to practice can do so.

Center for International and Developmental Affairs
Director: Tina Weitkamp, MSN, RN

• Collaborate with CATER to develop a comprehensive database of faculty and student international activities and an international resource list.
• This has been developed, and will be updated as contacts are developed
• Implement protocol assisting students traveling overseas.
• A formal orientation program was developed in conjunction with Global Studies. In addition a parent’s orientation was also developed.
• Continue collaboration with George Mason University while exploring new international activities.
• We are continuing to work with George Mason University on international activities. During the past year we have investigated becoming an Organizational/Institutional Partner of the Global Network WHO Collaborating Centres for Nursing & Midwifery. After consulting with department at George Mason University plans are to apply for organizational/Institutional Partner during the next academic year.
• Hae Soo Chung continues to serve as the director of the Joint International program with Yonsei University. The second cohort of 6 graduate students in neonatal, pediatric, and family nurse practitioner programs completed their programs in March 2003. Eight students are currently taking the online course and will begin their studies in Cincinnati in spring 2004.
• Anita Finkelman met with the faculty of Hebrew University Hadassah School, in Israel, and worked with a college who in providing consultation at Hadassah Medical Center in Jerusalem on documentation issues on a psychiatric unit.
• Barbara Gilman and Tina Weitkamp took a total of 12 undergraduate senior nursing students to Honduras with Shoulder to Honduras in October and April.
• Barbara Gilman, Tina Weitkamp and nursing students received a total of $7,500 as part of a multidisciplinary globalization grant from UC Institute for Global Studies and Affairs.
• Margaret Miller and Tina Weitkamp used money from the faculty teaching award to purchased textbooks focused on tropical disease, and health care worker education for the library.
• Tina Weitkamp lectured on maternal health and nutritional disorders as part of the International Health Course taught by the College of Medicine Department of Family Medicine in September 2002.
• Tina Weitkamp represented the College of Nursing and participated in the PANMCC Meeting (Pan American Nursing and Midwifery Collaborating Centers) meeting in September 2003.
• Tina Weitkamp represented the College of Nursing at the opening sessions of the PAHO (Pan American Health Organization) meeting in September 2003.
• College of Nursing International Health was taught during the winter quarter 2003, 21 students were enrolled.
• The College of Nursing co-hosted Ramou Cole-Cessay (Principal Nursing Officer, Italian-Gambian Project- Primary Care) and Beatrice Haffner (Principal Lecture in Midwifery at the Gambia School of Nursing) from The Gambia along with Miami University and Xavier University in April 2003. Ms. Cole Cessay and Ms. Haffner provided guest lectures in two undergraduate classes and prepared a video tape on Health Care in the Gambia to be used in the International Health Course. They also hosted a faculty roundtable luncheon as well as individual meetings with faculty and students.
• The Elective course Spanish for Health Care Professionals was offered spring quarter 2003. This course is a prerequisite to participating in the educational abroad experience in Honduras. Tina Weitkamp, as director of international affairs, assisted with the management of the course taught by Cora Garcia, MD.
• Tina Weitkamp continues to serve on the Medical Council of the Cincinnati Kharkiv Sister Cities for the Medical Center.
• During the past year we have been approached by three faculty members from foreign universities and one practicing nurse interested in coming to the College of Nursing for additional studies. Unfortunately they were unable to come this academic year, but two have tentative plans to come next year.
• Faculty made various presentations in countries as Australia, Brazil, Honduras, Mexico, Canada and Switzerland.

Institute for Nursing Research (INR)
Director: Dr. Marilyn S. Sommers
• There were 28 peer-reviewed articles published during the period July 1, 2002-June 30, 2003. Major topics included Symptom Management, Alcohol Abuse, Injury/Violence.
• Eleven peer-reviewed abstracts were published in refereed journals.
• Nine book chapters were published.
• Research faculty had 85 presentations locally, nationally, and internationally.
• Faculty continue to disseminate their expertise and scholarship through publications in refereed journals. There is a growing trend for faculty to collaborate within and across departments in writing for publication. A complete list of refereed journal publications and articles is provided in the appendix for the Institute for Nursing Research (INR).
• Faculty of the College of Nursing continue to develop and refine their programs of research and scholarship. A full overview of extramural research and program grants submitted by the faculty between June 30, 2002 and July 1, 2003 is provided in the appendix, including detailed information on faculty and student scholarship.
• Five faculty received scientific awards.
• Four faculty members were provided with Graduate Assistants (GA) support to initiate pilot work.
• Travel to meet with research mentors and to obtain needed grant skills was supported by the INR.
• GAs within the Institute were available for literature searches for both new and experienced investigators. Information sessions were offered by INR and Business Office staff to explain the grants submission processes during Winter ’03 quarter.
• The Institute Bulletin was distributed electronically on a weekly basis to provide updates on Institutional Review Board changes, faculty scholarly accomplishments, intramural and extramural grant opportunities, calls for abstracts, and conference opportunities.
• A central location in the Faculty Research Room was provided for all grant announcements. Multiple displays were provided outside the library and INR to publicize hints for successful grantsmanship and promote faculty programs of research and scholarship.
• The Scholarship Roundtable was continued twice a month as a forum for presentation and discussion of faculty scholarship.
• Consultation visits from outside consultants (Daniel Pesut, Victoria Champion, Joanne Stevenson, Jean Watson) were supported by INR.
• The Associate Dean for Research was available to advise faculty and students on grantsmanship and critique proposals upon faculty request.
• Provided a forum for discussion and critique of scholarly products during the pre-submission phase.
• Increased the number and rigor of federal submissions in programmatic and research grants.
• Supported an increase in faculty publications in refereed journals.

Departments

Adult Health Nursing
Department Head: Dr. Madeleine T. Martin
• Four Department faculty attended the Lilly Conference on “Excellence in College Teaching”, with two faculty selected to present their program on the “Freshman Success” course.
• Faculty continue to enhance and strengthen Adult Health content in both the graduate and undergraduate curriculum.
• Bev Reigle chaired the Competency Based Outcome Committee.
• Amy Pettigrew chairs Curriculum Committee
• Ad hoc task force on Graduate Curriculum Revision presented recommended curriculum revision for implementation in fall 2003
• Graduate student assistant utilized for data entry for 4 departmental research projects.
• Oncology Lunch Bunch was chaired by Kyra Whitmer to present, discuss and facilitate faculty research.
• Dr. Terry Beery accepted one of the College wide designated research positions. Her focus of research is cardiology and genetics.
• Dr. Beery secured a NINR-Summer Genetics Institute Fellowship.

Community Health, Administrative and Psychiatric Nursing
Department Head: Dr. Janice M. Dychouse
• Within the department 5 collaborative research and program grants had ongoing funding during the past academic year.
• Dr. Betemps & Ruiz-Bueno’s HRSA Program Grant to establish a Psychiatric Nurse Practitioner Program in Primary Care was a new initiative implemented this past year.
During the first year 6 new graduate students enrolled, this year we have 10 new students enrolled in this program to date.

- During this past year 15 grants (program and research) were submitted for funding, 8 at the federal level. To date 1 has been funded, 8 are pending and 6 were not funded. In addition faculty submitted 5 intramural grants and all were funded. Faculty received grant and program funding for three additional grants.
- Department faculty also participated on 3 other grants outside the department as investigators During this past year faculty have been extremely productive in grant submissions, with 15 submissions, 1 funded and 8 still pending a funding decision. Department faculty have maintained the number of ongoing funded grants and more than doubled the number of submissions from 7 last year to 15 this year. This goal was met during this academic year.
- The department faculty increased the number of articles published in referred journals during the year from 7 last year to 12 in this current year.
- Our dissemination of research at international, national, and regional conferences has also increased from 19 last year to 27 this year. In addition four abstracts and 2 book chapters were published.
- The faculty has developed a variety of teaching strategies to maximize student learning primarily placing courses on Blackboard and making these courses available fully or partially on-line.
- Faculty has increased the number of courses available on-line by over 20%. All the courses offered by the department for the RN-BSN Completion program had at least one course section offered on-line to enhance learning and to reduce the number of times the RNs needed to come to campus.
- All courses in the FNP graduate major were Web-based and students could elect to come to class or to take the course on-line. Many students took advantage of these options, and those who came to participate in the classroom were better prepared for class discussion because of the on-line learning activities.
- The department sponsored a faculty development program to enhance teaching strategies for on-line course offerings.
- At the undergraduate level Community Health faculty, student community intervention projects were displayed at a poster session at the end of Winter and Spring Quarters. Faculty and other students were able to review posters with student authors available for explanation and questions.
- The Undergraduate program examined the need to modify the undergraduate curriculum; in particular it was voted to have all courses in the program competency based.
- Department faculty reviewed the course taught by the department and outlined for each area.
- During the Academic Year 03-04 the undergraduate faculty plans to move forward with implementing a competency-based curriculum. Department faculty will be an integral part of this implementation.
- The number of course requirements in both the nurse practitioner majors and the clinical specialist majors were evaluated and redundancies eliminated and course content was made more relevant to current health care needs, thereby reducing the number of credits needed in each major.
• Faculty participated in the streamlining of the courses required for all master’s majors consistent with AACN accreditation requirements, National Organization of Nurse Practitioner Faculty (NONPF) recommendations, National Certification requirements, national health trends and student feedback.
• All master’s majors in the department were able to streamline the number of credits required to complete the major. All courses in the practitioner majors are now consistent with the new NONPF Competency recommendations. The streamline of the majors was an important step forward in increasing our competitiveness with other programs as well as increasing the quality of learning consistent with national trends and recommendations mentioned above.
• Faculty teaching in the three majors listed above collaborated to streamline the courses in the major such that all students take a common set of courses and practica that focus on their special populations. With this new set of courses there is greater emphasis on collaborative learning and shared experiences.
• The number of courses taken by each major separately was reduced thus enhancing efficiency and effectiveness of faculty teaching strategies.
• The amount of clinical practica time was increased to meet the new certifications standards which will go into effect in 2006. This change will insure students are prepared to meet the new certification standards.
• Department faculty participated in the College systematic recruitment plan which was implemented this year by LaVern Sutton, Director. They attended multiple information sessions offered by the Recruitment Office and visited a variety of agencies to recruit students to the major. In addition they held a luncheon for Accelerated students to describe the major and actively recruited our undergraduate students to the Master’s program.
• The department has increased the number of new students in the Family Nurse Practitioner, the Psychiatric Nurse Practitioner, Community Health and Occupational Health majors over last years enrollment.
• Dr. Connie Ronan Wilson continues to serve as director of the Health Resource Center, an agency designed to meet the health needs of the severely mentally disabled homeless population in Over-the-Rhine. Her grant to establish a respite care center for homeless individuals, who have been discharged from the hospital, was funded by the Robert Woods Foundation for $500,000 with collaborative support from local health care agencies including the Health Alliance, Tri-Health, the Mercy-Franciscan Partners and the Greater Cincinnati Health Network to total over $2,000,000. Dr. Wilson collaborated with the Department of Family Medicine, the Health Resource Center, the Drop-In Center and the Cincinnati Health Network in grant development.
• Dr. Mariann Lovell coordinated the Community Health Undergraduate Philanthropy project supported by $12,000 from The Health Foundation of Greater Cincinnati Awarded to the College. Three groups of 8 students each selected a community and assessed their health needs. Requested were then made to agencies in that community to submit proposals to receive monies to support their programs. Students received and evaluated over 50 proposals.
• Several faculty initiated Health Fairs conducted by their community practicum students. Ms. Meyer’s students planned and implemented the Sharonville Health Fair and Carol
Rumpler’s students conducted a Psychiatric Health Fair at the Veteran’s Administration outpatients.

- Ms. R. Lee has actively participated in the development of East End Heritage School: School Health Clinic; a school based nurse managed health center. She involved over 30 students in the effort; undergraduate and RN-BSN students
- Over this past year the department faculty has had an impact on the health of the community both through direct service, planning and policy boards and professional organizations.
- Dr. S. Davis is president for the Southwestern Ohio Association Occupational Health Nurses.
- Dr. B. Brehm is president of the Greater Cincinnati Dietetic Association.
- Dr. K. Driscoll is a member of the Ohio Board of Nursing
- Dr. Gates serves as a reviewer for the Center for Disease Control’s Special Emphasis Panel
- Dr. Schafer sits on the Violence Prevention review panel for the Anthem Foundation
- Dr. Savage is Vice President of the International Society of Addictions Nursing. In addition faculty serves on multiple local boards of directors for health care agencies.
- In the undergraduate curriculum department faculty utilize over 7 health departments in the Greater Cincinnati area for student placements along with 15 different school systems, 7 Health Centers and other community agencies such as Senior Citizens, Hospice and American Red Cross.
- At the graduate level the Family Nursing Practitioner major places students in over 30 agencies ranging from physician office practices, health center, clinics and outpatient departments. Thus faculty and students impact health care throughout the greater Cincinnati community in very real and tangible ways that make a difference in peoples lives.
- There was over a 50% increase in the number of RNs entering both the full and part-time programs.
- A new RN-MSN Accelerated program was developed with enrollment beginning Fall 2003.
- RN-BSN pathway will open a new site at the Clermont Campus with the first courses offered Winter Quarter 2004.
- During this past year one faculty retired, Dr. Mary Ann Madewell, and we welcomed Dr. Jean Anthony as a tenure track faculty.
- For next academic year we hired Donna Shambley-Ebron to a tenure track position and Leslie Cooper to a clinical track position.
- Dr. Donna Gates received the Best Contributor Award, American Medical Directors Association
- Dr. Jo Ann Ruiz-Bueno received the Outstanding Teaching Award – Clinical Track from the College
- Dr. Connie Wilson received the Outstanding Service Award from the College.

Parent Child Health Nursing Department
Department Head: Dr. Marcia Hern
Grant funding:
- J. Dulin: Institute Special Award for $1000 for Assessing Preventive Health Care for Women with Disabilities
- S. Elek, D. Dole: CON INR Dean’s Research Award $5000, Two pilot studies of walking measurement tools
- S. Elek, D. Dole: UC University Research Council $4655 Low-income women’s perceptions of the benefits of and barriers to moderate intensity physical exercise during pregnancy
- D. Dole, V. Moniaci: CON Dean’s Teaching Award $5000 An Interactive CD Learning Module for Preceptors
- L. Long, B. Brehm received an Interdisciplinary collaborative Success challenge grant for $1865 with $650 for faculty development for a total of $2415
- M. Miller, L. Moore CON INR Special Research Award $1000 Visually Impaired Older Adults and Driving Cessation
- L. Moore, M. Miller Xavier University Summer Undergraduate Research Assistant $360 for Visually impaired older adults and driving cessation.
- M. Hern, P. Ragio: Speaking of Women’s Health Scholarship, $13,500
- Total: $32,930. Increase of 50%.

Continuation grants:
- Cincinnati Children’s Division of Developmental Disabilities. S. Oppenheimer, Project Director, Hern, M., Director of Nursing Lutkenhoff, M., et al. Maternal and Child Health Interdisciplinary Education for Children with Neurodevelopmental and Related Disabilities (MCH LEND) Project. Maternal and Child Health Bureau, Health Resources and Services Administration (HRSA), U.S. Department of Health and Human Services, $880,847 each year for 5 years 7/1/01 – 6/30/06.
- M. Lutkenhoff, Birth to Three Training Grant for July 03- June 30, 05 $225,034Hospital Based Child Find Specialist Grant for 02-03 $75,447
- M. Miller, Chair, 25% release salary as Chair, Behavioral and Social Sciences
- D. Dole has been actively negotiating with Mercy, Christ and University Hospital; Nancy Moss joining faculty July 1, 2003.
- Faculty were published 13 times and made 8 presentations locally, nationally and internally.
- D. Felblinger successfully passed the NCC Women’s Health Care Nurse Practitioner certification examination Summer, 2002!
- Graduate students: Holly Hinkle, BSN, RN, Women’s Health graduate student, received the Speaking of Women’s Health Foundation scholarship.
- Sara Booth, BSN, RN, PNP graduate student received the American Cancer Society Master’s Degree Scholarship in Cancer Nursing.
- C. Klemt-Altman, H. S. Chung, L. Cooper, D. Grever, S. Elek & M. Hern contributed to the PNP program approval by National Certification Board of Pediatric Nurse Practitioners thru 2005
- M. Miller was recognized as the 2002 Distinguished Nurse Educator at the College of Mount St. Joseph Leadership in Nursing Awards, November 7, 2002.
• B. Gilman and T. Weitkamp each took a group of undergraduate students to Honduras for their Health Patterns Integration and Community clinical experiences.
• S. Elek and B. Gilman conducted focus groups with the nursing and medical students who participated in the Honduras study abroad experience.
• T. Weitkamp and M. Miller have developed a booklet on diarrhea and parasites from their teaching award for study abroad.
• L. Long and T. Weitkamp worked on the competency Task Force for the undergraduate program.
• L. Long served as facilitator for the Level III BSN task force.
• L. Cooper taught the Advanced Pediatric Pharmacology course online to NPNs for CEUs.
• V. Moniaci taught the Advanced Neonatal Pharmacology course online to 13 NNPs from Indianapolis as CEUs.
• L. Cooper served on the National Association of School Nurses (NASN) Board of Directors.
• J. Dulin, D. Dole and V. Moniaci involved in faculty practice via collateral employment.
• J. Dulin took 6 women’s health graduate students to the Ohio Advanced Practice Nurse Legislative Day in Columbus, Ohio March 11, 2003.
• S. Elek served as Graduate Student Poster reviewer and judge at the annual MNRS conference.
• S. Elek served on the Program Committee of the Midwest Nursing Research Society.
• M. Hern was appointed to International Society of Nurses in Genetics: Member, Genetic Nursing Credentialing Commission Score Team 2003-2005.
• M. Lutkenhoff (Associate director of Nursing) & M. Hern (Director of Nursing, CCDDD) participated in the positive site visit for the Maternal Child Health LEND grant.
• M. Lutkenhoff served as Co-Chair for the National Spina Bifida Association-Nursing and Healthcare Professional Council - 2000-2003 and as member of Professional Advisory Council for planning the national Consensus Conference on Spina Bifida in Washington DC on May 8th and 9th, 2003 - I was part of the to SBA and a planner of this conference and state planning Committee for a State Spina Bifida Association conference to be held at Deercreek, Ohio, June 03.
• V. Moniaci organized and implemented with the NNP students an all day workshop entitled “Practice Considerations in Neonatal Management” October 2, 2002.
• T. Weitkamp serves as Chair elect of Curriculum Committee and Director of International Program; she also is active with the AWHONN’s Bells for Hope and Remembrance with First Lady Patton with the Kentucky chapter.
• T. Weitkamp served as Special Projects Director for the Kentucky Section of AWHONN and as member of the 2005 Convention Planning Committee.
• M. Hern completed the Women and Leadership Series, University of Cincinnati, Continuing Leadership Growth, 2003; Internship with James Plummer, Associate Vice President and Director of Budget Planning May 2002-January 2003; and the Helene Fuld Fellow, American Association of Colleges of Nursing Leadership for Academic Nursing Program, 2002

Nurse Anesthesia Major
Program Director: Wanda O. Wilson, CRNA, PhD
• Certification exam results: 100% pass.
• Employment rate of graduates: 100%.
• Enrollment of 22 new students, September 1, 2002. (Current enrollment status for both classes is 40 students.)
• Interviewed and recommended for admission 22 prospective students for September, 2003.
• Ranked in top 20% of Nurse Anesthesia Graduate programs by U.S. News & World Report.
• Faculty presented 5 lectures at College of Nursing, local, state, national and international levels.
• Director presented 11 lectures at College of Nursing, local, state, national and international levels.
• Director is active on 6 state and national committees.
• Director has on-going research on 8 Masters Capstone Projects – faculty participation.

Educational Mobility Program for RNs
Director: Jo-Ann Bryson Adelsperger, EdD., RN
• The hiring in July, 2002 and the orienting of the new Academic Advisor (Linda Hockaday).
• The creation of a tracking system that allows for identifying courses still needed for completion of the lower division, doing advanced standings, and credit assessments.
• Multiple recruiting visits have been made to Good Samaritan, The Christ Hospital, Raymond Walters (Blue Ash and Clermont site), Cincinnati State, Mercy Anderson, as well as attending the Nursing Connection Meeting.
• Re-establishing the RN program on the Clermont College campus was a major goal. The Mercy Anderson site was eliminated due to the lack of an adequate cohort number. In addition, the Raymond Walters nursing cohort taking their courses at the Clermont site also expressed a keen interest in continuing their education for a BSN if it were offered at Clermont. Advising hours are now provided at Clermont by the Academic Advisor. To date, we have 13 RNs ready to begin the Upper Division in nursing in January 2004.
• An assessment of the Clifton part-time program was done and the conclusion was that the enrollment for part-time had been steadily decreasing over the past 5 years and faculty utilization was inefficient. Notices were sent to all RNs who had identified the part-time program at Clifton to attend. As of June, 2003, all part-time RN students will attend the Raymond Walters site. Increased visibility has been a major emphasis for the past 2 years.
• Participated in the preparation of the proposal for an RN/MSN track to be presented for faculty approval at the June Faculty Organization meeting. The program was approved unanimously by Faculty on June 2nd for implementation in Fall, 2003.

Accelerated Program
Director: Dr. Kathleen Driscoll
• Track the progress of program entrants.
• Accelerated students - Thirty two students were accepted for this cohort with an additional group of eight placed on a waiting list. Three of the thirty-two deferred to enter in June 2004. The waiting list was tapped and 3 accepted applicants moved into the June 2003 cohort. The remainder on the waiting list had not completed their prerequisite courses since they believed they had little chance of entering the June 2003 cohort. In addition, others accepted for June 2003 withdrew for various reasons – 3 chose different programs; 2 chose a different field in health care; others withdrew for various personal reasons. An administrative decision was then made to cap the June 2003 entries at 24 students.
• Given the increase in applications, review the admission process for students who have below 3.0 GPAs but high GRE scores.
• During the past year the process of admission to the program has changed by interviewing candidates who fall into this category as well as those with below 3.0 or below 3.3 GPAs with marginal GRE scores before forwarding their folder to the Admission and Progression Committee.
• Continue to improve communication with students. Working with the June 2002 entering cohort has been very easy. They have had few problems. I have met with class representatives on both a planned and as needed basis.
• Update the Accelerated Program Web site as needed.
• The annual orientation meeting in mid-May with accelerated students has run smoothly. It provides an opportunity to collect the annual biographies students wish to share with faculty who will teach them during the year as well as an opportunity to construct an Email grouping for communication.
• This year an effort was made to insure that all students in the accelerated pathway program were accepted in a master’s specialty. Except for two students, who for good reason have not applied, this goal has been achieved.
• Changes in the graduate program core and the development of an accelerated RN MSN tract dictate that now is an appropriate time to consider revision of the accelerated program curriculum. In addition, the committee will examine approaches to reducing the prerequisites for entry into the pre-licensure phase of the program.

Board of Advisors
• AY 2002-2003 Board Officers:
  Kevin O’Brien, Chair
  Scott Berding, Vice Chair
  Robert Wiwi, Secretary
  Joseph Campanella, Treasurer
• The Board welcomed three new members this year:
• **Shannon Carter** who developed the Crayons to Computers Program.

• **Brent M. Dixon.** Director of Operations for Hillandale Communities which are skilled nursing facilities. He is also Special Assistant to the Butler County Board of Elections and Vice President of Dixon Homes and Construction. He has already been successful in raising sponsor financial support for our 2003 Florence Nightingale Event.

• **Frank Lyman.** From Ethicon Endo-Surgery, Inc. His company has supported one Nightingale Award for several years. Ethicon as well as Johnson & Johnson are providing the funds to increase the image and visibility of the profession of nursing.

• Three Board members resigned this year. Mr. Scott Berding, Mrs. Andi Wiot, and Mr. Joseph Campanella. Mr. Campanella will serve as an Emeritus Board Member.

• Board members attended the 3rd Annual Scholarship Dinner held November 13, 2002 to acknowledge fund efforts of individual donors and donors of scholarship funds, with students and parents.

• Board of Advisors Scholarship Fund. Five $2,000 scholarships were awarded.

• Board of Advisors Emergency Scholarship Fund. Three scholarships totaling $5,102 were awarded.

• The Board hosted the 11th Annual Florence Nightingale Ceremony on April 24, 2003 at the Hyatt Hotel. Approximately 800 people attended the event. Mr. Nick Clooney, former television newscaster, was emcee and did a great job in the role. His personal contributions were heartwarming. Six $1,000 awards were presented and Ten Dean’s Awards were presented.

• To date, $1,500,000 has been raised for the Center for Living with Dignity.

**Highlights and Key Issues Related to the College of Nursing**

• The College of Nursing offers the basic 4-year baccalaureate program with 18 Masters majors and a PhD program. We offer career upward mobility opportunities, and accelerated pathway for individuals with a Bachelor’s degree outside nursing. They can complete the baccalaureate degree plus a graduate degree in 3 or less years.

• The College utilizes over 300 clinical agencies during an academic year for the placement of student learning. Students contribute to community needs vis-à-vis projects; for example, Greater Cincinnati Health Foundation gave $12,000 to community health students for a senior project to continue to learn the art of entrepreneurship. Students developed the procedures, requested RFP’s, evaluated agency proposals, developed criteria for selections, awarded grants to agencies (Quebec Heights School, Whittier School, The Women’s Connection, Mt. Washington Church of Christ, Butler County Community Health Center). The project received news and TV media coverage.

• College offers quality practitioner programs in Midwifery, Women’s Health, Neonatal Nursing, Family Nursing, Occupational Health, Critical Care, Nurse Anesthetist to name only a few of the 18. We have a quality study abroad program in Honduras and Korea. The College is the first academic unit to offer a collaborative joint international Masters program in Seoul, Korea with Yonsei University in the area of Family Nurse Practitioner, Neonatal Nurse Practitioner and Pediatric Nurse Practitioner. Faculty have international
reputations in the area of research (substance abuse and injury and violence). Deans and faculty are well known for their specialty areas and provide consultation locally, nationally and internationally. Colleges providing education to nurses in Honduras in the area of pediatrics per the request of First Lady of Honduras Mary de Flores.

- Nurses doing research in the study of specific nursing activities that can help people recover faster from illness; help assist families who have to cope with chronic illness and injury. For example faculty scientists are testing interventions that will
  - help nurse aides reduce agitation and comparative behavior from nursing home residents,
  - help understand why women and men experience domestic violence,
  - test of the efficacy of the Adkins Diet,
  - test of the rape exam can differentiate between consensual and non-consensual sex
  - breast health awareness and mammography testing in rural counties of Indiana
  - test of counseling sessions in the emergency room can prevent car crashes by speeding and drinking while driving.
  - collaboration with local hospitals, i.e. University Hospital, Christ and Drake. Purpose is to strengthen and capitalize on the concept of an interdisciplinary health care team by the provision of graduate level students to engage in hospital projects that will increase patient satisfaction. Types of projects include diabetic teaching, pain management, and coordination in the development of evidence-based practice in burn units, accreditation and regulatory projects.

- Community activities that benefit the community – Annual Florence Nightingale Event. Recognition from the community nurses who excel in bedside quality patient care. This is a collaborative effort between industry, corporate, health care facilities and education. This event recognition is annually attended by ~800-900 community consumers and leaders.

- Study Abroad – International study and national study of undergraduate students. Students engage in international health care teams for the provision of care to rural underprivileged, underserved people in Honduras. Quality of nursing students is extremely high. We attract superb athletes who have won soccer competition, swimming, running marathons.

- Individual faculty service – Tina Weitkamp, Professor of Nursing, recently traveled to Russia to teach natural birth control. The Russian government will only pay for abortions for their women – no other type of birth control is paid for.

- 150 males are enrolled in the College of Nursing out of ~700. Students’ jazzy headline - Why do males choose and remain in nursing?

- College’s World Health Collaborating Center Affiliate with George Mason University, Alexandria, VA.

- Dean of the College of Nursing – 2nd International Conference in South America to work with all South American nurse leaders, information of a countrywide institute for leadership and advocacy. (This includes all South American countries – Mexico, Peru, Chile, Brazil, Argentina, etc.)
- Student areas division works with the Explorer component of the Boy Scouts to mentor perspective high school students interested in careers in nursing and allied health sciences.
- College of Nursing’s Ladders program facilitates the career mobility of students, especially focusing on minority and male students with mentorship from nurse leaders within the community program, has a 90% success rate from admission to retention to graduation.

**Major challenges facing our area**

- Lack of adequately prepared faculty - the projected graying of nursing faculty at the doctoral level.
- The continued nursing shortage
- Long history of budget cuts to the academic units which has severely decreased resources and faculty which impacts the ability to increase enrollment of nursing students to assist in meeting the national nursing shortage.

**Key issues facing College of Nursing faculty and students**

- Heavy workloads that do not leave enough time for research and advisement/mentoring of students
- Lack of federally funded nurse researchers and scientists to work with graduate students
- Changing the culture to place a higher value on scholarly and research endeavor
- Our programs of research and funding have outpaced the research infrastructure and ability to house grants.
- Difficulty in recruiting senior research faculty due to the stripping away of financial resources vis-à-vis budget cuts.
- Increased demand from practice area that undergraduate prepared nurses have a plethora of skills and competencies that enables them to engage in practice immediately. This places a heavy burden on needed content in an already packed curriculum.
- The increasing request from practice area that educational units pay for the ability to place students for clinical learning within a facility.

**Issues in Graduate Education in the training of MSN/PhD students**

- The need for increased instructional technological advances to be implemented and available within college resources.
- Need for faculty to engage and offer more distance and on-line teaching and learning opportunities for students.
- The uncertainty of the healthcare arena directly impacts on education’s inability to be proactive in the education of future nurses.
- Lack of financial assistance for scholarships.
- Major issue confronting general education of nurses and the future of nursing is public attitude toward health care, patient satisfaction from the various models of the delivery of
nursing care, third party payor reimbursement and public image of the profession of nursing.

**Challenges in education of working nurses in the use of Distance Learning technologies**

- How to design an acceptable, flexible quality curricular approach that will afford opportunities for the working nurse to work while obtaining their education
- The national professional dichotomy between the value of diploma, associate degree and baccalaureate to graduate level preparation

**Overall Statement**

The College of Nursing has been evaluated and reported in *US News & World Report* as being in the top 7% of the 780 baccalaureate and higher degree programs in nursing nationwide. The College has the first baccalaureate program in nursing (over 106 years old). The College also boasts of having received the first and second ever given endowments for Chairs in the United States in as early as 1948 and 1952. The College boasts of a long history of graduating nurses who have become national and international leaders in the healthcare practice, education, and political arenas.

**Collaborative Projects**

**Research Collaboration**

The College of Nursing research collaborative projects include:

- The Effectiveness of Brief Intervention to Reduce Risky Behaviors and Prevent Injury. Since 1990 Professors Janice Dyehouse and Marilyn Sommers have collaborated with numerous disciplines in their work to reduce drinking problems and other risky behaviors in trauma patients. They have received ~$3 million dollars in research funding from the National Institutes on Alcohol Abuse and Alcoholism and the National Injury Center at the Centers for Disease Control and Prevention. Their research involves the testing of the effectiveness of brief intervention to reduce injuries from risky behaviors in a variety of clinical settings as the Emergency Department and the Surgical Intensive Care Unit. The two principal investigators have collaborated with some of the strongest scientists from the University of Cincinnati as Professor Steve Howe in Psychology, John Schafer in Nursing and physicians as Brian Gibler and Michael Lyons in Emergency Medicine and Kenneth Davis in Surgery. Some of their external collaborators are some of the finest injury and alcohol scientists in the country as Michael Fleming and Marlon Mundt, College of Medicine, University of Wisconsin/Madison, Jean Shope and the late Patricia Waller from the University of Michigan Transportation Research Institute and Linda Sobel from Nova University.

- While Dr. Elaine Miller has served as PI on the project with Dr. King from the UC College of Medicine, Dr. Dawn Kleindorfer and Rosie Miller from UC Stroke Team on a project entitled Fast Stroke Education Program for Middle School Children, a pilot study that was completed this summer at Cincinnati Public Schools (Hughes High School and at a private school (St. James of the Valley, Wyoming).
• A graduate fellow’s program under the leadership of Dr. Kyra Whitmer was initiated in the Spring of 2002 which matched graduate nursing students with nurses in leadership positions at University Hospital. The purpose of the project was to engage graduate students to institute a unique project that would meet specific needs within the University Hospital. Types of projects range from the identification of issues in the introduction of licensed practical nurses to a nursing unit, the identification of a pain assessment tool to use with unresponsive patients to diabetic teaching for the problematic individuals who interface with inpatient and outpatient diabetic programs, analysis and evaluation of pain management and safety climate, coordination and data collection and development of implementation plan for evidence-based practice on burn units and the assessment and evaluation and the changing of models of nursing care in relation to the partnership collaboration and delegation as LPN’s are placed within a specific care unit.

• Educational – The Co-op Program was instituted in partnership with University Hospital under the leadership of Professor Shirley Alsup. This collaborative co-op program enables undergraduate baccalaureate students to engage in direct patient care as an employee of the hospital but under the supervision of the academic unit of Dr. Shirley Alsup. This collaborative partnership enables the practice setting to develop the individual to attain increased competencies and skills in a particular specialty area, decrease orientation time, post-graduation, increase bonding and potential recruitment due to the severe nursing shortage while the advantage for the academic unit is a cadre of students with increased knowledge and clinical competencies in particular areas, increase of ease and familiarity with direct inpatient care and nursing models and the ability to secure financial income in a position that is directly related to their programmatic plan of study.

International Collaboration

• A collaborative graduate program in neonatal and pediatric practitioner specialization. This collaborative educational program project is with Yonsei University in Seoul, Korea. The College works exclusively with Yonsei University College of Nursing in the provision of the first pediatric and neonatal practitioner program in the country of Korea. The uniqueness of the program and partnership is in the design of the curriculum and the working with faculty at Yonsei University. An example – College of Nursing at UC faculty travel to Seoul, Korea, Yonsei University. They teach two core theory courses. Faculty at College of Nursing, Seoul who hold adjunct faculty appointment in the College of Nursing at UC teach selected core courses. Courses are offered on-line, distance, the 3rd phase and 4th phase of the program. Students travel to the University campus for clinical experience and clinical content specialty courses. Last phase – students complete and pass certification and return to Korea as the first advanced nurse practitioners and the specialty area of pediatric and neonatal in their country. Another collaborative project is working in Honduras in partnership with Professor Jeff Heck in the College of Medicine and Tina Weitkamp, College of Nursing. This project enables students to work on interdisciplinary healthcare teams to provision of services in Tegucigalpa to the underprivileged, underserved rural population. Additionally faculty from the Department of Parent/Child College of Nursing provide educational opportunities to nurses in Honduras as the First Lady of Honduras, Mary de Flores has led the development of pediatric hospitals within the country and ultimately an increased need for nurses in
Honduras to be prepared in the specialty areas of neonatal and pediatric nursing. There has been an exchange of nurses from Honduras to UC and faculty from UC to Honduras to assist in furthering the knowledge, skills and competencies needed in the country and nursing healthcare models needed in the country of Honduras.

**Florence Nightingale Event**

College of Nursing and the College’s Board of Advisors implements a collaborative project annually since 1991. The Nightingale Event ceremony project is a culmination of a yearly activity to bring together service, practice, education, business and industry in the recognition of nurses who demonstrate quality bedside nursing. This activity has increased the visibility of the University of Cincinnati, the College of Nursing, and the profession of nursing in the Greater Cincinnati community. Lay consumers, patients, healthcare providers, educators, business leaders, corporate leaders engage in the project to develop methodologies to recognize and reward nurses for the provision of care. This culminating event has received local and national media attention as well as newspapers. It has increased the sensitivity and awareness by citizens of the profession of nursing and the UC College of Nursing.
College of Pharmacy
Dean Daniel Acosta Jr., PhD

- Faculty received $1,775,000 in grants, contracts, and special project funding this past academic year.
- The fourth PharmD class of 66 students was admitted in September 2003, and the first PharmD class of 2000 will graduate in June 2004.
- The third non-traditional PharmD class was admitted this past summer.
- UC College of Pharmacy 2003 graduates achieved a 100% pass rate on the jurisprudence portion of the pharmacy licensure exam, and 93.5% pass rate overall, ranking the college 2nd among the four Ohio pharmacy colleges.
- Four new graduate students were admitted into the pharmaceutical sciences program, two are seeking a Doctor of Philosophy degree and two are seeking a Master of Science degree. The college had a total of 13 Master of Science students and 43 Doctor of Philosophy students.

Alumni Recognition
- Steve Mueller received the 2003 Roche Preceptor of the Year award for his outstanding contributions as a clinical preceptor to pharmacy students.
- Dorothy L. Smith, PharmD ’72, received the 2002 Robert J. DeSalvo Distinguished Alumnus of the Year award in recognition of her outstanding career in pharmacy.
- Richard G. Darlington, BSPH ’55, was honored with the 2003 Arthur C. Glasser Distinguished Alumnus of the Year award in recognition of his long-time support to the college and its alumni activities.

Doctor of Pharmacy Degree Program
- The 2003-2004 Doctor of Pharmacy entering class of 66 students was selected from a total of 379 applicants and had an average GPA of 3.65, 33% held baccalaureate degrees and 80% of the entering students were female.
- The College graduated 31 Doctor of Pharmacy students in June 2003.
- Students participated in “An Affair on the Square” held on Fountain Square during National Pharmacy Week, October 19-25, 2003, which provided patient information and advising on medications.
- Thirty-six students attended the national American Pharmaceutical Association meeting in New Orleans, and 45 students attended the Ohio Pharmacists Association meeting in Columbus. The Academy of Students of Pharmacy (ASP) chapter received recognition as the “Most Improved Chapter” award.
- Diane Schaller represented UC in the National APhA Patient Counseling competition in New Orleans, and was one of ten finalists in the competition.
- The Academy of Students of Pharmacy collaborated with the Cincinnati Health Department, American Diabetes Association and the African American Churches on “Operation Diabetes” when more than 300 individuals were screened for diabetes and another 700 community members were provided information and diagnostic meters.
Twenty-one students attended the national mid-year meeting of the American Health-Systems Pharmacists Association in New Orleans where Erin Megerle and Stacey McNeal represented UC in the 2003 Clinical Skills Competition.

Rima Mohammad was recognized as the Ohio State Intern of the Year by the Ohio Health Systems Pharmacists Association.

Ms. Diane Schaller received a University of Cincinnati Spirit of Community Award for exemplifying a high standard of contribution to student life within the College, campus and civic communities.

Nine new students were entered into the Non-Traditional Doctor of Pharmacy Program.

Gateway Drug Education community service program and a Thanksgiving Canned Food Drive were conducted.

A two-day new student orientation was conducted, which culminated in a “White Coat” ceremony that included participants from the State Board of Pharmacy and the College Alumni Council.

Our 2003 graduating class experienced 100% job placement upon graduation.

Actively exploring the possibility of increasing class size for the 2005-06 academic year.

Clinical and External Affairs

The first graduates of our non-traditional PharmD program are expected to graduate in December 2004. Interest and enrollment in this program continues to increase.

The college has continued to increase its number of continuing education programs on the local and national levels.

The college is collaborating with CME to offer On-Line CE and CME.

Experiential training site locations have been expanded beyond the I-275 loop providing an increase in the number of training sites.

Complete sequence of Skills Labs has been developed and delivered.

Students are now immunization certified upon graduation

In the area of information technology, all spaces within the college are wireless.

The College hosted a major fundraiser to honor J. Richard Wuest, Professor Emeritus, in support the Wuest Pharmacy Practice Fund.

Division of Pharmaceutical Sciences

The division partnered with UC Cancer Center to recruit a new faculty member in cancer research.

The division partnered with Procter & Gamble and the Genome Research Institute to place one of our faculty members into space at the GRI to facilitate collaborative efforts between UC and P&G.

Continued to graduate the last MS/PhD students matriculated into the Distance Learning graduate program in collaboration with P&G.

Completed successful review of the PhD graduate program by the Office of Research and Advanced Studies.

Students graduating from the MS/PhD program continue to find employment in their field of training within the pharmaceutical industry and the government (e.g., FDA).

Faculty continue to provide service at the national level: NIH study section, Task Force member for the US Fullbright Commission, American Association of
Colleges of Pharmacy, American Chemical Society, American Association of Pharmaceutical Scientists, Society of Cosmetic Chemists, editorial boards of journals.

Graduate Program

2003 was a good year for many graduate students in the Pharmaceutical Sciences M.S./PhD program in the College. The students presented their research results at numerous national/international scientific meetings and published widely in the peer-reviewed literature. Notable accomplishments of several graduate students included:

- Murad Melhem (Pankaj B. Desai, Advisor) - Distinguished Dissertation Fellowship Award (2003-2004), University of Cincinnati
- Murad Melhem (Pankaj B. Desai, Advisor) – Summer Internship, Food and Drug Administration/Center for Drug Evaluation and Research
- Jennifer Smith (Gerald B. Kasting, Advisor) – Forbriger Fellowship Award
- Marisa Robinson (R. Randall Wickett, Advisor) – Society of Cosmetic Sciences Fellowship Award

Division of Pharmacy Practice

- The college initiated a residency training program to allow individuals to gain additional clinical skills beyond the entry-level pharmacy degree.

Experiential Training

- New relationships and development of new sites and preceptor training for advanced practice rotations in the areas of community pharmacy (chain and independent) including Kroger, Target, CVS, Meijer; industry – Lilly, P&G; government agency – Cincinnati Health Department, FDA; public health – St. Vincent de Paul Pharmacy for the Underserved in Northern Kentucky and Homeless shelters in Cincinnati; hospital pharmacy – increased number of students in area hospitals
- Statewide development and implementation of standards and guidelines for preceptors and students through the cooperative efforts of the University of Cincinnati, Ohio State University, University of Toledo, and Ohio Northern University.
- Implementation of service learning as a part of experiential education in the first professional year – students interacted with and provided service to approximately 15 different community partners including Clovernook Center for the Blind, Starfire Council of Greater Cincinnati, Stepping Stones Center, Our Daily Bread, Cincinnati Reads, HOSTS, International Family Resource Center, Corryville Family Resource Center, Corryville Recreational Center, Drake Center, Caracole, VistaCare, FACE, Crossroads Health Center, Washington United Church of Christ.

Skills Lab

- Pharmacy Practice Skills Lab uses innovating teaching methodologies to facilitate student learning and practicing skills related to providing pharmaceutical care. Learning of these skills is in synergy with knowledge gained in traditional didactic courses.
The College partners with pharmacists from the community (alumni and non-alumni) who volunteer their time to assist teaching pragmatic aspects of counseling patients in the community.

Implementation of a performance based competency exam in the Pharmacy Practice Skills Lab has been completed. Students must show competency in several the areas of patient counseling, self-care assessment and nonprescription product selection, drug information, physical assessment, patient pharmacotherapy review, and sterile compounding before progressing to the next level in their education.

Pharmaceutical manufacturers and drug information database companies have donated products valuing ~ $100,000.

Faculty Honors
- Kenneth A. Skau, PhD received the Rho Chi Faculty Excellence Award.
- Jane M. Pruemer, PharmD, received the 2003 didactic Preceptor of the Year award for her outstanding contributions in the classroom.
Academic Information Technology & Libraries (AIT&L)

AIT&L Mission
AIT&L creates access to knowledge and develops integrated knowledge management systems that enhance learning, research, and patient-care activities of the students, staff, and faculty of the University of Cincinnati Medical Center. AIT&L is committed to:

- Outstanding customer service
- Information and technology leadership
- Community service

AIT&L consists of the Health Sciences Library, the Nursing Library, Cincinnati Medical Heritage Center, and information technology units that support academic and administrative computing at the University of Cincinnati Medical Center.

AIT&L at a Glance

eJournals 4,002
Paper Journals 2,117
Total Journals (titles in both paper and electronic formats counted once) 4,383
eBooks 1,765
Volumes 291,950
Databases 205
Public Computers 320
Reference Questions 42,870
Workshops Hosted 520
Workshop Attendance 3,645
Gate Count 383,419
Staff 54
Budget $6,246,230
Endowment Value $3,649,113
Web sites 57

Ranking among Medical School Libraries in the U.S. and Ohio

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Where is AIT&L?

In early 2004 AIT&L will move from two of its primary locations in the Medical Sciences Building and French East as part of the MSB renovation and construction of the new CARE building. AIT&L will operate from the following locations:

- Computer lab, reserves, network services: MSB E680
- Electronic classroom: MSB E level (new room)
- Current journals and reference service: Wherry Hall 121
- Bound journals: MSB R level (staff access only)
- Books: Genome Research Institute
- Software development and administration: Health Professions Building 238
- Nursing Library: Procter Hall (no change)
- Cincinnati Medical Heritage Center: Wherry Hall 121

In about two years most of AIT&L will return to the MSB in a state-of-the-art facility that will bring together in one location the library and information technology services for the Medical Center. To fulfill its service mission during the next two years, AIT&L will focus even more on providing electronic services and resources, eliminating as much as possible the impact of distributed locations.

What Did AIT&L Accomplish in 2003?

AIT&L continued its progress to become the fully digital, one-stop-shop for the information needs of the students, faculty, and staff of the Medical Center. The merging of library and information technology services that started in 1995 continued to pay dividends and remained one of the few such examples among academic health sciences centers.

Most AIT&L accomplishments are collaborations with a variety of organizations, particularly the Medical Center Distributive Learning Collaboratory and the Medical Center IT Partnership (both of which represent the four Medical Center colleges and AIT&L), UCit, University Libraries, and OhioLINK.

In May 2003 The National Library of Medicine awarded the Medical Center an Integrated Advanced Information Management System (IAIMS) operations grant (John Hutton, MD, principal investigator), a $1.6 million award over four years (medcenter.uc.edu/iaims/). In addition to the four colleges and AIT&L, partners include Children’s Hospital, the Health Alliance, and UCit. Many of the specific accomplishments described in this report were accelerated by IAIMS planning and funding. AIT&L serves as the primary developer of IAIMS systems.

AIT&L continued to provide regional and national leadership in a number of areas:

- Roger Guard, Assistant Senior Vice President for AIT&L and Associate Dean for Information Services, College of Medicine, became president of the Association of Academic Health Sciences Libraries (affiliated with AAMC) and the chair of the National Library of Medicine's Biomedical Library and Informatics Review Committee, which evaluates and recommends funding for grant proposals to the NLM's major extramural programs.
• AIT&L staff made presentations at meetings of the Association of American Medical Colleges (AAMC), American Medical Informatics Association (AMIA), and the IAIMS Consortium, and had publications accepted by the Journal of the Medical Library Association.

• AIT&L staff successfully secured or were members of teams that secured grants and contracts: IAIMS, NetWellness ($506,000 contract), MEDLINEplus ($99,000 contract), UC Faculty Development ($120,000 grant shared with University Libraries), and NIH Institutional Review Board ($150,000 grant).

**eLibrary**

*Electronic Journals (eJournals)*

AIT&L provides access to 4,002 full-text electronic health sciences journals, adding nearly 400 new titles in 2003 ([aitl.uc.edu/reference/EJ032602.asp](http://aitl.uc.edu/reference/EJ032602.asp)). All titles are available in any UC library, and nearly all are available from home, office, hospital, or hotel through several methods ([aitl.uc.edu/it/remoteaccess.cfm](http://aitl.uc.edu/it/remoteaccess.cfm)). The full-text of most recently published articles in these journals is a direct link from MEDLINE citations in PubMed. A custom PubMed address [www.ncbi.nlm.nih.gov/entrez/query.fcgi?holding=ucmclib](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?holding=ucmclib) enables this “LinkOut” feature.

*Electronic Books (eBooks)*

AIT&L provides access to 1,765 electronic health sciences books ([aitl.uc.edu/reference/elec/etext.cfm](http://aitl.uc.edu/reference/elec/etext.cfm)), adding 500 titles in 2003.

- UpToDate, a continuous review of over 290 journals and other resources providing concise, practical answers to clinical questions at the point of care.
- PDxMD (now called FIRSTConsult), a resource for differential diagnosis, evaluation and management of medical conditions, patient education and procedure skills review. Designed for use at the time and point of care. A sub-set of the knowledge base is available to use on a PDA.
- Current Protocols, specifically the 5 laboratory manuals for scientific research methods.
- MDConsult, 40 medical books, full-text articles from over 45 journals, MEDLINE and other databases, drug information, peer-reviewed clinical practice guidelines, 3,000 customizable patient education handouts, over 450 Category 1 CME modules, and personalized updates covering current developments in medicine.
- STAT!Ref, a collection of 32 well known online medical references, including current diagnosis series, Merck Manual, Mosby’s, USPDI, and William’s.

**OhioLINK**

OhioLINK ([www.ohiolink.edu](http://www.ohiolink.edu)) is a consortium of 85 Ohio college and university libraries. Among the 5,700 eJournals it provides, many are health sciences related. OhioLINK also provides over 18,000 eBooks in all disciplines and more than 100 databases, including MEDLINE, Biological Abstracts, Science Citation Index and 16 other health sciences databases.

*Chat with a Librarian (eReference)*
OhioLINK provides an electronic reference service staffed by librarians from member universities. AIT&L librarians, collaborating with University Libraries, participate in a forum devoted exclusively to the health sciences questions (chat.ohiolink.edu/healthsci/). The service is available Monday through Thursday, 3-5 p.m. and 7-9 p.m., with expanded hours planned in 2004.

**Electronic Document Delivery (eDoc)**
In addition to traditional interlibrary loaning of journal articles, in 2004 articles from journals in the Health Sciences Library will be provided electronically. The service is available Monday through Thursday, 3-5 p.m. and 7-9 p.m., with expanded hours planned in 2004.

**eDucation**

**Library/IT Training**
AIT&L teaches over 30 classes per month on library, office, Web, and course development software (aitl.uc.edu/classes/calendar). Class topics include introductory, intermediate, and advanced levels of Microsoft Office XP applications, Adobe Acrobat, Adobe Photoshop, Blackboard, Dreamweaver, Illustrator, Digitizing Images, EndNote, Flash, MEDLINE, and hands-on Personal Digital Assistant (PDA) training.

**Early Summer Institute**
AIT&L teams with University Libraries to teach a weeklong instructional technology institute each June. The goal of the Early Summer Institute is to provide an intensive learning environment for faculty to experience a variety of software applications available to them.

- Each institute provides 30 hours of hands-on instruction during the week.
- Content varies each year to reflect changes in technology and available software.

**eValuations**
eValuations, envisioned and supported by the Distributive Learning Collaboratory, enables people to create and distribute customized evaluation forms. Recipients may complete evaluations either on the Web or using a PDA. Faculty use eValuations (Webcentral.uc.edu/som/source/home_Web.asp) for course evaluations, student-to-student, faculty-to-student, and student-to-faculty evaluations. Over 20,000 eValuations have been completed.

**eChecklist**
eChecklist, also a product conceived by the Distributive Learning Collaboratory, allows people to create and distribute customized tracking forms to evaluate progress over time toward a specific goal. A checklist recipient can use either the Web or a PDA to complete the form. eChecklist (Webcentral.uc.edu/som/source/home_Web.asp) is currently used to track the number of required medical procedures completed by medical students, journal entries of experiences of medical students, and the completion of tasks for a particular course.
**eCourses**

eCourses ([ecourses.uc.edu](http://ecourses.uc.edu)), developed by the Distributive Learning Collaboratory with AIT&L, provides Web-based training courses. It offers a variety of courses designed to fulfill certification requirements in a number of professions or to meet Federal compliance goals, including HIPAA. Over 7000 Web courses have been completed by people throughout the Medical Center in the last two years.

**eSchedules**

eSchedules ([Webcentral.uc.edu/eschedules/](http://Webcentral.uc.edu/eschedules/)), developed for the office of medical education, provides a single point of entry for data related to course information. Faculty members, course directors, students, and staff can view, edit and retrieve complete schedules for years 1 and 2 of the medical curriculum, add personal rotation schedules, print full course packets, synchronize the schedule with PDA schedules, view schedule by course, and receive email alerts.

**Instructional Design**

The Instructional Technology Center’s (ITC) ([aitl.uc.edu/itc](http://aitl.uc.edu/itc)) primary mission is to provide instructional support to the faculty of the University of Cincinnati College of Medicine. The ITC provides direct support of classroom instruction, including: developing Web-based instructional materials, determining effective instructional technologies, converting images to electronic formats, developing multimedia presentations, and creating graphics, audio, and video files for Web courses. In 2003, with Dr. Andrew LaBarbera the ITC developed a fully multimedia lecture on steroid human biosynthesis (available to College of Medicine students and faculty only).

**Wireless Network**

With a grant from the Ohio Board of Regents, the Distributive Learning Collaboratory partnered with UCit to install a wireless network at the Medical Center. The focus of this implementation was instructional and common areas. The network has 84 “access points” both inside all East Campus building and in public areas outside buildings.

**eResearch**

**eXpertise**

eXpertise, originally conceived by the College of Medicine’s Office of Research and Graduate Education, enables researchers, potential trainees, students, interested collaborators, and the general public to find researchers at the Medical Center. eXpertise ([Webcentral.uc.edu/expertise/](http://Webcentral.uc.edu/expertise/)) allows the user to search by area of expertise, college and department, and name.

**Biosafety**

A new Biosafety system, developed for the Institutional Biosafety Committee and the Biosafety Office of the University, enables a researcher to complete and submit a biosafety protocol through a secure Web site ([med.uc.edu/ibc](http://med.uc.edu/ibc)). This site also provides access to university and federal regulations and to other biosafety forms. Coming enhancements include: a combined Web site for the Institutional Biosafety Committee and the Biosafety Office; a more sophisticated process for the creation, review and approval of protocols; and the ability to monitor training needs.
eBusiness

eCalendar
The university has introduced a university-wide electronic calendar. The Medical Center has collaborated with UCit and the university’s office of Web communications to design a calendar that meets the Medical Center’s needs (calendar-medcenter.uc.edu). As a part of this project, AIT&L developed a data exchange process integrating data from eSchedules with the wider university calendar.

Electronic Personnel Action Form (ePAF)
The ePAF (Webcentral.uc.edu/paf) simplifies and expedites the PAF submission process. All PAFs are now routed electronically throughout the multi-step approval process. The system dynamically routes forms in real time and supports structured routing when the action form must follow a predefined path in order to be processed. The ePAF, built in partnership with Medical Center Human Resources, is now used by most colleges and units throughout the university.
Institute for Health Policy and Health Services Research

The Institute for Health Policy and Health Services Research (IHPHSR) opened its doors in late 1996. The Institute was formed to address the need to develop institutional expertise and support for clinical and patient-oriented research at the Medical Center. In light of the new NIH Director’s roadmap for change, this mission has become all the more important. Today, the Institute is an essential core for clinical and health services research. As an extra-departmental entity that reports directly to the Senior VP/Provost, the Institute is a resource for the Medical Center, the University, and the Community.

The Institute contains both the infrastructure and staff to support clinical research efforts from departments and colleges around the Medical Center. However, we also have a growing number of faculty who are developing independent research agendas and foci leading to numerous funded projects. This combination of clinical research infrastructure along with a growing cadre of creative and collaborative faculty representing multiple departments, makes the Institute an ideal environment to promote and enhance interdisciplinary and cross-college connections, serving as a prototype for the high-profile interdisciplinary centers that Dr. Zimpher has charged us to develop through her comprehensive academic planning process. Examples of particularly vigorous and successful collaborations within the University and Medical Center include the Veteran’s Administration Medical Center, Cincinnati Children’s Hospital Medical Center, the College of Pharmacy and the Departments of Internal Medicine, Emergency Medicine, Neurology, Physical Medicine and Rehabilitation, and Family Medicine. The Institute continues to work closely with its sister institute, The Institute for Policy Research (IPR). The IPR has been a model interdisciplinary research center on the west campus for over 30 years. The IHPHSR continues its East - West campus collaborations with the College of Business, Department of Psychology, Department of Sociology, and the Economic Center for Education and Research. As a measure of these successful collaborations, during the most recent and current fiscal years, the Institute has been involved in 77 grants and projects resulting in total awards to the University of Cincinnati and Cincinnati Children’s Hospital Medical Center of more than $40 million.

Faculty and staff in the Institute have a substantial impact on the growth and development of junior clinical researchers through their mentoring and educational efforts. A number of junior faculty around the Medical Center have been assisted in obtaining federal (NIH and VA) career development awards through such mentoring, advising, and research facilitation efforts. The Institute’s Center for Clinical Effectiveness has grown a number of its own junior faculty through its two-year Outcomes Research fellowship, which also leads to a master’s degree in epidemiology. More recently, the Center has collaborated with other departments and divisions to train their faculty in clinical research methods. As an example, this coming July, a junior faculty member from Emergency Medicine will join us for two years as an Outcomes Research fellow. In collaboration with the Division of Hematology/Oncology, we have also completed a successful joint recruitment for a combined Hematology-Oncology/Outcomes Research fellow. In both cases, the motivating vision is to develop junior faculty with methodological training in clinical and outcomes research, who can then form bridges between the Institute and their respective clinical departments. Given the direction of NIH’s Roadmap Initiative, this type of cross-clinical and interdisciplinary collaboration will become increasingly important.
Institute faculty also are involved in graduate level education by teaching / offering courses in the Departments of Environmental Health, Internal Medicine, Pediatrics, Psychiatry, Nursing, and Emergency Medicine. As the Medical Center moves ahead with its plans to develop a more robust curriculum for a clinical track in Environmental Health’s master’s degree program in Epidemiology, the Institute will become even more involved in education and in the development of new courses, such as decision analysis and cost-effectiveness analysis.

The Institute also is a focal point for discourse and continuing education for the Medical Center and the Community. Several successful conference series boast standing room only crowds. These include our biweekly Outcomes Research Conference which hosts speakers from both within and outside of the University, and our monthly Health Policy Forum. In addition, the Center for Clinical Effectiveness has a weekly conference series consisting of both didactic presentations and opportunities for the presentation of work in progress. Colleagues from multiple departments and colleges around the Medical Center make use of this forum to obtain critical feedback on their research ideas, and practice research presentations for national meetings.

The Institute has become increasingly involved in community outreach efforts of the College of Medicine and the Medical Center, frequently in collaboration with the Health Alliance of Greater Cincinnati. Last year we lead the organization of the Robert Wood Johnson sponsored “Cover the Uninsured Week” town meeting at the Medical Center, and are participating in this year’s event planning. Institute faculty were also involved in numerous aspects of the “Closing the Gap” conference held at the Cincinnati Northern Kentucky convention center this past fall. This has led to the development of the Health Alliance’s Closing the Gap and Health Disparities Center.

The Health Foundation of Greater Cincinnati is invested in expanding health data capabilities and resources. The Foundation and the IHPHSR began hearing from community members who wanted to access and use health data but didn’t have access to or experience with the statistical software needed. In response, the Health Foundation and the IHPHSR created the Online Analysis and Statistical Information System (OASIS). OASIS is an innovative web-based program that puts powerful analytic tools in the hands of the general public. OASIS allows users to analyze data without needing statistical software on their computers, allowing unparalleled access to data. Nationally, OASIS is considered an innovative approach to sharing health data. Datasets in OASIS include those from local health surveys such as the Greater Cincinnati Community Health Status Surveys and the Coalition for a Drug-Free Greater Cincinnati’s Student Personal Drug Use Surveys; the Ohio Poll, an annual survey of Ohio residents about public attitudes about state and national issues; and various datasets from the Inter-University Consortium for Political and Social Research.

In addition to an essential administrative and research support core, including the Research Facilitator, the Institute is organized into three major research centers. These include the Division of Biostatistical Research and Support, the Center for Clinical Effectiveness, and the Health Research Data Center. Recent activities and accomplishments in these centers are summarized below:
Division of Biostatistical Research and Support
The Division of Biostatistical Research and Support is an essential component of the IHPHSR. Since virtually all health research requires collaboration and input of a biostatistical nature, the ultimate success of research programs at the UC Medical Center depends substantially on the expertise found within the Division.

The Division performs several different functions with regard to research at the Medical Center. Members of the Division conduct their own research programs in statistical methods, outcomes research, and other health research areas. The Division collaborates with Medical Center researchers in the areas of biostatistical consulting, study design, data analysis, and interpretation of results. One of the primary services of the Division is to provide collaboration and assistance in preparation of research proposals in response to RFA’s and RFP’s. Areas of expertise include study design, power calculations, methods, and statistical analysis sections for proposals. Division staff also provide mentoring to fellows and junior researchers, and participate in graduate level education by teaching courses in epidemiology and biostatistics.

Recent accomplishments:
- 16 grant proposals submitted and pending review (2003-04)
- Active involvement in 22 grants and contracts (2003-04)
- 18 peer-reviewed papers published or in press (2003 – 04)
- development and ongoing responsibility for 2 graduate level courses in the Department of Environmental Health
- 5 short courses/grand rounds (2003-04)
- 3 invited presentations (2003-04)

Center for Clinical Effectiveness
- Consists of 5 full-time faculty members and 6 Outcomes Research fellows from the Department of Medicine
  - In the upcoming academic year, combined fellowships will include faculty and fellows from Emergency Medicine and Hematology/Oncology
- Conducts research in the following areas
  - Health-related quality of life research: HIV/AIDS, bipolar disorder, cystic fibrosis, congestive heart failure, hepatitis C infection, and end-stage liver disease
  - Cost-effectiveness analysis/pharmacoeconomics: anticoagulation decision making; HIV/AIDS; coronary heart disease; chlamydia infection; acute respiratory failure; acute renal failure; coma; cervical cancer screening; pharyngitis; and cost of healthcare in the VA system vs. the private sector
  - Decision analysis: anticoagulation, non-valvular atrial fibrillation, sepsis, end-stage liver disease, and congenital heart disease
  - Spirituality
  - Patient safety: human factors, bar-coded medication administration, human-computer interaction
  - Intensive care unit mortality and severity of illness
  - Obesity
  - Simulation modeling
• Geriatrics: screening for hearing loss
• Health disparities: racial disparities in asthma care and exposure to environmental tobacco smoke
• Developmental disorders
• Informatics: computerized physician order entry
• Rehabilitation outcomes research
• Medical education research: quantification and appropriate remuneration of teaching effort based on a system of “relative teaching units”; predicting performance of housestaff on standardized certifying examinations; medical student self-assessment using matrix evaluation; use of standardized patients to assess students’ skills
• Community-oriented primary care and community health status measurement, and
• Health policy and quality of care.

• Collaborates with numerous researchers around the 3 medical centers
• Published 22 peer-reviewed papers in 2003-04
• Published 5 book chapters or editorials in 2003-04
• Presented 25 abstracts at national or regional meetings
• Sponsors the weekly Outcomes Research Conference and Center for Clinical Effectiveness Seminar, each attended by 15-20 people from the 3 medical centers, with most seminars certified and eligible for CME credit

Health Research Data Center
The primary mission of the Health Research Data Center is to advance the objectives of the Institute for Health Policy and Health Services Research and its strategic partners by serving as experienced, research-oriented health informatics collaborators whose work is characterized by innovation, integrity, and excellence.

In an era of rapid technological progress, the secondary mission of the Center is to continually renew the Institute’s proven hardware and software infrastructures — optimizing them for the collection, management, and delivery of health research information.

The Data Center is a key component of the research teams involved in IHPHSR projects. In the last year, the staff of the Data Center were authors or co-authors on eight refereed publications in major journals, and made eleven professional presentations at meetings such as the American Medical Informatics Association, American Public Health Association, and the National Association of Health Data Organizations.

Our goal for the future is to become the regional health data repository for state and local health departments, hospitals and hospital systems, school districts, and related social service agencies. Such a data repository would relieve these organizations of the near constant bombardment of requests for data, confidential and otherwise. The repository would also benefit researchers by being a single-source access point for health research data for the entire population. By incorporating technologies such as probabilistic record linkage, geographic information systems, analysis systems such as OASIS, and secure web-based applications, the Health Research Data Center could have incredible impact on public health information systems and public health research.
The barriers to such a health data repository are not technical. The technologies are well known, established methodologies that have already had a tremendous impact on research and public health information systems. The barriers to such a system are mostly bureaucratic and organizational. By establishing a successful history of trust and confidence with health data producers, the Health Research Data Center will be a major partner in developing a system that not only removes the technical barriers, but also establishes and solidifies organizational commitment to the idea of data sharing and the eventual development of a regional health data repository.
Laboratory Animal Medical Services

In April 2003, Dr. William Porter joined UC as the Director of Laboratory Animal Medical Services. Under his guidance, LAMS’s partnership with investigators and strong support of UC’s research efforts will continue to be enhanced.

With the opening of new animal facilities at the Vontz Center, the Genome Research Institute, and animal space in the Biosafety Level Three area of MSB, we have added approximately 47,000 square feet of animal capacity. This brings our total vivarium space to 120,296 square feet.
Clinical

UC Physicians

Growth in clinical practice keyed most of the activity of UC Physicians in calendar year 2003. As predicted in last year’s report, patient visits as University Pointe exceeded 26,000 in the first full year of operation (28,000). The clinical practice operations at all venues, Montgomery Medical Office Building, The Medical Arts Building, The Christ Hospital, University Hospital, Drake Center, etc., etc., grew substantially. Across all practice sites, ambulatory visits grew by just over 14%. Patients are now being seen at an annualized rate of 280,000 visits. Our primary hospital sites have also grown significantly in inpatient volumes. The high utilization of University Hospital has forces more cases to move to the Christ Hospital.

Part of the growth in clinical practice can be attributed to the addition of a full time clinical sales manager position. The incumbent markets UC Physicians clinical practice by direct contact (detailing) to community physician practices (eighty visits/month). Educating the community physicians on the referral services available to them has provided measurable increases in referrals post visits. This staff member also provides “concierge” service to the referring physician and his/her patients by explaining points of access, following up on doctor/patient recommendations and providing active problem solving when necessary. Our physician staff has also more than doubled the number of community outreach contacts this past year. Numerous luncheon meetings with individual community physicians office and presentations to a variety of community organizations have helped promote the services of UC Physicians.

This growth, and projected continued growth, adds urgency to initiatives that have come out of last year’s strategic planning retreat and are now ending the planning phase and entering the implementation stage. These initiatives include:
- Joint Venture Cancer Center/Hospital
- Regional Diabetes Treatment/Referral Center
- UC Physicians Electronic Medical Record
- Reorganization/Development of Clinical Trials strategy
- Funds Flow Analysis and Negotiation UCP/Alliance (ECG engagement)
- Executive Physicals
- Interdepartmental Pain Center

Construction projects are well underway. The joint venture, Short Stay Ambulatory Surgical Hospital and Diagnostic Cardiology Cath Lab facility is under construction and will open to patients on September 1, 2004. This facility is located on the University Pointe campus. All but one of the initial retail out-parcels at University Pointe are sold. Construction is completed, or underway, on all but this single, unsold, one-acre site. One secondary out parcel site has been developed (Dialysis Clinic Inc.) and a second is under contract awaiting contingencies to be cleared. The UC Physicians Business Center, on Victory Parkway, in the midst of a scheduled and incremental total renovation, is already fully occupied on the first floor. This completed, partial building renovation, houses those offices formerly making up the Centralized Business Offices in the HPB and the UC Physicians finance department. This building acquisition and
renovation, while managed by UC Physicians, is owned by and leased through the Piedmont/Eden Corporation. The departments of medicine and surgery will occupy the entire third floor space once remodeling is finished. Existing second floor tenants will remain until such a time that the space is needed by UC Physicians constituents or other members of the University community. A portion of the basement office space will be leased to UC Parking Services once renovation of that space is completed. Relocation of the existing offices provides space needed during the construction of the CARE building and also releases more space in the Medical Arts Building for clinical practice.

Some new problems emerged in the past year and some old ones have taken on greater significance. UC Physicians struggles with the definitions and models for interdepartmental institutes and centers (Cancer Center, Neuroscience Institutes, Heart and Vascular Center, Pain, etc.), which do not fall into the traditional academic medical center department structure. The cost of Professional Liability Insurance (malpractice) continues to climb dramatically. The good news, although little consolation, is that the increase is due, not to an increased claims experience of UC Physicians, but to the over reaching malpractice environment in Ohio. Claims in the state have increased in number, awards are greater than ever, and legislation, to date, has had no effect on these rapidly rising costs.

An emerging new area for strategic planning is the issue of Quality of Care. It would not be surprising if this is the next key strategy for UC Physicians. The expression and measurement of Quality of Care has evaded organized medicine. Academic medicine should lead this quest.

The core business function of UC Physicians, growing clinical practice, continues on a better than predicted course. Employee turnover has been reduced to 10% over the last year (the community averaged for healthcare employees is 20%). The corporation continues to perform under budget. The depth and breadth of management experience continues to be enhanced through strategic recruitments. Successful implementation of the seven initiatives listed above is a daunting task but one that can be achieved.

**Hoxworth Blood Center**

*Under the leadership of Ronald A. Sacher, MD, Hoxworth Blood Center continued to achieve its goals as our community’s blood center. Our mission to provide blood, blood components, and blood-related services for the patients in the 25 tri-state hospitals served by Hoxworth continues to drive the organization. A major strategic planning initiative provided a template to assure continued growth and success. Critical achievements for Hoxworth over the past year included the following:*  
- In fiscal year 2003, Hoxworth Blood Center served as the steward for 83,000 blood donations and 7200 platelet donations. We are currently on track to collect 94,000 blood donations and 8000 platelet donations in fiscal year 2004.
- Our investment in automated blood collection technologies has enabled us to achieve the above mentioned collection successes. The donation of double red cells using the Haemonetics technology has been popular with our donors and we now have a total of 12 instruments. We have also initiated a new campaign to convert donors to automated platelet donations. With the assistance of Gambro Corporation, we have established
platinum, gold and silver levels for our automated platelet donors as a means to recognize the frequency with which they donate.

- During this past year, we have embarked on a cause-marketing initiative with Channel 12 WKRC. Two local corporations, The Health Alliance and Toyota Manufacturing of North America, participated in campaigns with Hoxworth.
- The High School Blood Campaign continued to be a success, providing approximately 10% of Hoxworth’s total whole blood collections. Donations provided by Time Warner Cable and the Cinergy Foundation enabled Hoxworth to recognize thirteen area high schools for their outstanding participation. In addition, seven area high school students received individual scholarship for their academic and community service achievements.
- Over the past year, 300 Hoxworth donors joined the National Marrow Donor Program (NMDP). Last year, the NMDP and Hoxworth coordinated 8 bone marrow and peripheral stem cell collections from members of our community for transplant into unrelated recipients.
- Over 7000 donors were recognized with gallon awards for blood and platelet donations. These awards ranged from one-gallon recognitions to a 58-gallon recognition. We are pleased that the *Cincinnati Enquirer* is recognizing these achievements each month.
- Hoxworth Blood Center was successfully reaccredited by the American Association of Blood Banks for its blood center, transfusion service, cellular therapies and immunohematology reference laboratory activities.
- Hoxworth opened its eighth Neighborhood Donor Center in Ft. Thomas, KY.
- Hoxworth now provides blood and blood-related services to its twenty-fifth hospital customer, Southern Ohio Medical Center in Portsmouth, OH.
- During the past year, Hoxworth Blood Center began testing all blood donors for the presence of West Nile Virus using nucleic acid technology. We are in the final stages of implementing bacterial detection strategies for all platelet products.
- Hoxworth Blood Center’s master of science program in the College of Allied Health Sciences changed its name to Transfusion and Transplantation Sciences to better reflect its current curriculum. A cellular therapies track has been added to the program.
- Jose A. Cancelas, MD, PhD, joined the faculty in his role as Division Director, Research. Dr. Cancelas has extensive research in hematopoiesis and stem cell biology and will apply basic research to clinical trials in the treatment of degenerative diseases, cancers and immunodeficiencies.
- Clinical trials on blood related equipment and processes conducted at the blood center generated over $230,000.00 in revenues in the past calendar year. Grants from The National Blood Foundation, The Stem Cell Research Foundation and the National Heart, Lung and Blood Institute are pending.

**University Health Services**

The mission of University Health Services (UHS) is to provide superb health care and health education in a compassionate and caring environment for both students and UC faculty and staff; to assist the University in providing a safe and healthy work and study environment for students and employees; and to promote individual and community wellness in a Just Community. UHS operates two clinics for students and employees with seven physicians, one optometrist, one
dentist, six mental health providers, one pharmacy, one CLIA-approved intermediate category laboratory, and one X-ray facility; a fitness center; a wellness center; a faculty, staff, and student assistance program; a disability management program; a student health insurance program; and the university's environmental health and safety program. UHS also provides medical care for UC’s athletes. UHS has approximately 75 full and part-time employees. Its Web page is http://www.med.uc.edu/uhs. In calendar year 2003, 30,503 patients were seen, minimally changed from the 30,537 seen in 2002.

In 2003 UHS was given funds to hire a Biological Safety Officer (BSO) and a Program Coordinator. Late in 2003, UHS was also given approval to hire a Chemical Safety Officer. These positions will greatly enhance UC’s ability to carry out world-class research in a safe environment and to meet regulatory mandates. As of December 2003, UC’s Biosafety program including the BSO and Program Coordinator positions were transferred to the Office of the Senior Vice President and Provost for Health Affairs.

UHS staff continue to serve on a variety of UC committees including the Student Health Insurance Contract Committee, Student Health Insurance Appeals Committee, UCAAMP, AWA, Board of the Faculty Club, Women’s Internship Program, Women’s Leadership Conference, Just Community, Women’s Initiatives Network, C-Ring Committee, Women & Racism Committee, Commission on the Status of UC Women, Human Resources Advisory Committee, Americans with Disability Act Committee, Disabilities Services Committee, Reserve for Maintenance and Improvements Committee, Mission Continuity Committee, Emergency Response Committee, Universis Stakeholders Committee, Users Planning Committee, University Environmental Oversight Committee, Radiation Safety Committee, University Basic Renovation Committee, University Standards Committee, University Sustainability Committee, Commission on Alcohol and Other Drug Education, Universis Stakeholders Committee, AAPW, Universis Users Committee, Web Contract Management System RFP Task Force, HIPAA Security Task Force, MSB/CARE Fitness Center Planning Committee, Closing the Gap Committee, COPS Committee, Sisters’ Circle Steering Committee, and Core Response Team.

Athletic Medicine

- The Athletic Medicine homepage is http://www.med.uc.edu/uhs/Athletichomepage.html.
- UHS continued to provide primary sports medicine care for all varsity athletes at the University under the direction of Dr. Stephens, Team Physician
- Scioto staff provided pre-participation physical exams for all varsity athletes
- Provided on site medical coverage at all UC football games, men’s and women’s home basketball, soccer and volleyball games and many away basketball games
- Dr Stephens maintained a licensed pharmacy service within the training room for dispensing medications to varsity athletes
- UHS continued to support a fluoroscopy unit in the training room
- Precepted 1 family medicine resident and 3 student athletic trainers on primary sports medicine care rotations
- Dr. Stephens was re-elected president of the NOCSAE board of directors. NOCSAE provides standards for athletic equipment and funds research.
• Dr. Stephens continued as the medical director for the athletic training curriculum program offered through the College of Education. Additionally he taught a 3 hour required course “Advanced Athletic Training.”
• Provided sports medicine elective for sophomore medical students interested in Family Medicine
• Dr. Stephens presented “Update on Concussion” to the UC Sports Medicine Conference and to the UC Family Medicine Residents Conference
• Dr. Stephens presented “Exercise Induced Asthma” to physical therapy students in the College of Allied Health
• Dr. Stephens presented “OTC Drug Use” to athletic training students in the College of Education
• Dr. Stephens presented “Evaluation of the Elbow in College Health” for the UHS
• Dr. Stephens presented the topic “The Elbow in College Health. Tennis anyone?” at the national meeting of the American College Health Association.
• Dr. Stephens continued as the medical director for the athletic training curriculum program offered through the College of Education. Additionally he taught a 3 hour required course “Advanced Athletic Training.”
• The Ohio Athletic Trainers Association awarded the “Team Physician of the Year” Dr. Stephens.

Environmental Health and Safety
Environmental Health and Safety (EH&S) directs the University of Cincinnati’s operations in environmental engineering, industrial hygiene, waste management and compliance with federal Environmental Protection Agency (EPA) and Occupational Safety and Health Administration (OSHA), state and local regulations. In support of the University Mission, EH&S serves as a technical resource to the entire institution. The EH&S office provides a wide variety of information and direct customer service to assure that University operations are conducted in a safe and environmentally sound manner. Further, EH&S assists individual organizations and corporations to assure compliance with all applicable University safety policies and regulatory health and safety requirements. The office Web address is http://ehs.uc.edu. As the University of Cincinnati expands and integrates its operations, it is necessary to further develop the best approach to environmental safety practices that comply with federal, state and local regulations and that are competitive with comparable institutions. EH&S works jointly with the University of Cincinnati Medical Center in support of the Millennium Plan. EH&S serves as University liaison with federal and state EPA and OSHA representatives, City of Cincinnati Environmental Service, Hamilton County Metropolitan Sewer Distract, Fire Department officials, and Insurance Underwriters/Loss Control Managers.

Future challenges include: increased regulatory demands from the federal and state EPA for all university operations, increased regulatory demands from the federal CDC and USDA for the possession and use of biological agents, genetic and molecular research, human gene therapy clinical trials, increased regulatory scrutiny of research activities, emergency preparedness and business continuity, laboratory material management and tracking, developmental oversight of new research properties, instituting University-wide school/unit specific safety committees, support for major campus-wide construction activities and management for the accompanying growth.
• During calendar year 2003, 34,772 service requests were processed. This is a 49% increase in requests from the previous year.
• 214,300 pounds of hazardous and regulated materials were disposed of at a cost of $375,000. This is a 340% increase in hazardous materials generated from the previous year.
• 4,725 cubic yards of fly ash were recycled through collaboration with facilities Management and an outside corporation.
• 142,415 pounds of infectious waste were disposed of at a cost of $72,065. This is a 12% increase in amount of infectious waste generated from the previous year.
• Conducted 1,310 lockout/tagouts for repair of localized exhaust systems in coordination with Facilities Management.
• 453,324 square feet of functional laboratory and support service space were audited for compliance with federal, state and local environmental and occupational regulations. 18,129 square feet (60 laboratory areas) of these spaces were audited to support and fulfill the requirements for grant applications. 637 laboratory fume hood surveys were conducted in buildings and 1,888 personal and environmental exposure samples were collected to ensure a healthful workplace and verify work practices.
• All 450 injuries and illness reported by faculty, staff, students, contractors, and visitors were investigated, and initiation of corrective actions was coordinated with supervisors and departments. 160 of the incidents met the definition of an OSHA recordable incident, meaning the employee required more medical treatment than first aid and/or the employee time from work.
• Seventeen Sharps Injury Reports were submitted to the State of Ohio in accordance with compliance mandates to track such incidents and evaluate.
• 3,649 faculty, staff and students participated in 78 Environmental Health and Safety – sponsored safety training sessions covering various regulated occupational safety and health topics. This is a 7.5% increase in participation form the previous year.
• Developed and instituted specific environmental health and safety programs for Grounds and Moving operation in the Department of Facilities Management and the Department of Public Safety. Developing environmental health and safety programs for the Department of Laboratory Animal Medicine and Carpenter operation in the Department of Facilities Management.
• EH&S reviewed drawings for $800,000,000 worth of capital expenditures.
• 42 Asbestos and lead abatement projects totaling $700,000 were reviewed for containment specifications, monitored for effective exposure and contamination control and materials handling and disposition.
• 24 construction areas were audited for compliance with federal, state and local environmental and site regulations, conducted biweekly construction safety audits for the renovation and rehabilitation of the GRI facility.
• Five mandated Air emission reports for the University were submitted to the EPA (3 Federal Title V and 2 State of Ohio Title V).
• 7 underground storage tanks were registered as mandated by the State Fire Marshall, supervised the removal of 1 underground storage tanks on
• EH&S staff supported the University in two (2) Phase I Environmental Site Assessments, (3) Phase II Environmental Site Assessment, one (1) Class Action Suit for Asbestos, one (1) Telecommunication Radio Frequency Assessment for electromagnetic field exposures and (1) Nuclear Magnetic Resonance Imaging Assessment.

• Submitted and obtained approval from the Ohio EPA a Permit to Install the CoGeneration turbines at the Central Utility Plant. Submitted for approval to the Metropolitan Sewer District a Waste Water Discharge Permit for the Central Utility Plant.

• Reviewed 125 research protocols and conducted 370 risk assessments for the Institutional Animal Use and Care Committee in compliance with the requirements of the Association for the Assessment and Accreditation of Laboratory Animal Care (AAALAC).

• Staff Participated in the Health and Wellness Fair and Benefits Fair to promote safety and health among faculty, staff and students – approximately 889 individuals visited the booths.

• University received the “Green Buckeye Award” from the State of Ohio, Department of Commerce for compliance with underground Storage Tank requirements.

• Active member of (15) safety committees University-wide and nationally, the department co-chairs the University’s Joint AAUP/Administration Environmental Oversight Committee.

• Secured a $2.5 million budget approval for the construction of a proposed chemical treatment, storage and disposal facility.

• Secured a $150,000 budget for a construction project to remove bird roosting sites on a west campus building.

• EH&S launched enhanced safety training opportunities and options provided to the online compliance training for the OSHA Hazard Communication and OSHA Bloodborne Pathogens standards, fifteen non-mandatory online advanced laboratory safety programs for the research community, several online programs addressing the appropriate use of animals in research settings, and online safety training orientation materials.

• Implemented an Environmental Health and Safety Questionnaire for Colleges and Universities to gather information for benchmarking, Quality of Service and Reporting Line databases.

• Assisted in the interfacing of the University-wide chemical tracking system and the University’s Space Management System program.

Holmes Health Clinic

• The Holmes homepage is http://www.med.uc.edu/uhs/holmesclinic./healthserviceseast.html.

• In 2003, 5,995 patients were seen at Holmes. This was a 2% decrease from the 6,139 patients seen at Holmes in 2002.

• The clinic continues to provide primary care services to UC employees with work-related illnesses and injuries and to students. The main student patient population includes graduate students in the Colleges of Medicine, Pharmacy, Nursing, and Allied Health.

• UHS continues to provide 24/7 telephone coverage for students who have urgent after-hours medical concerns. Students are referred to The University Hospital Emergency
Room attending when the Holmes clinic is closed or urgent specialty care is needed. Otherwise students are referred to the University of Cincinnati Physicians specialists.

- The clinic continued contracts with Gambro Dialysis Center, the Cincinnati College of Mortuary Science and Shriners Hospital for post-exposure evaluation and treatment of employees with possible Bloodborne pathogen exposures.
- Employees provided Orientation to University Health Services and UC Student Health Insurance, Bloodborne pathogen regulations, and injection and blood pressure education for College of Medicine students.
- Once occupational medicine resident carried out a clinical rotation at the Holmes Clinic during 2003.
- In 2003, 60 persons were evaluated for bloodborne pathogen exposures. This was a 31% decrease from the 87 persons evaluated in 2002. Forty-five (75%) of the persons evaluated had sustained needle sticks. Eighteen of the exposed persons were medical students. The decrease may be random variation or it may represent the onset of safer needles and increased care by staff in handling sharps.

**Information Technology**

- The UHS systems engineering unit responded to more than 1,200 IT requests, including desktop support, database development, Web updates and server administration.
- Continued deployment of Windows WP throughout UHS
- EH&S offering Web-based Hazard Communication training
- Installed new EH&S Web and database server
- Application upgrades and installation, including Daybreak (REACH client tracking), HealthBridge (Scioto clinic lab results), QS/1 pharmacy management, CompuMedic patient billing/scheduling.
- Installed a document scanner to archive student insurance waiver cards
- Signed a three-year Academic Licensing Agreement with Novell to provide discounted server and client software
- Active member of (3) University-wide IT service committees (HIPAA, Content Management System and UHS IT Planning).
- Developed proposal to replace the University Health Services file server and add more redundancy to the data systems.

**REACH (Responsive Employee Assistance Can Help)**

- Bill Williams, the REACH Director since 2001, retired in June 2003.
- Connie Moody was selected as the new REACH Director in July 2003.

During the year REACH staff:

- Designed a new Brochure, which was sent to the homes of 9,000 U.C. faculty and staff.
- Designed and ordered new REACH Magnets which have been distributed and around campus.
- Serve on the following committees: ADA, Conflict Resolution, COPS, SORT, Death and Serious Injury Protocol Review, Closing the Health Gap and Sister’s Circle Steering Committee.
• Are members of the following U.C. Organizations AAPW and UCAAMP as well as the Employee Assistance Program Association (EAPA), International Association of Employee Assistance Professionals in Education (IAEAPE), and Toastmasters’
• Attended the EAPA National and International Conference in New Orleans in November
• Completed qualification training to provide services as Substance Abuse Professionals under Department of Transportation
• Provided Critical Incident Stress Debriefing to 2 workgroups, following an unforeseen tragedy.
• Manned booths at the following: The Wellness Fair, Health Fair, Benefits Fair and International Student Orientation.
• Provided consultations to various Deans, Department Heads, Union Representatives and Supervisory staff.
• Provided 600 counseling hours to staff, faculty, students and their families.
• Attended continuing education workshops to maintain professional licensure and certification.
• The REACH Web page is http://www.med.uc.edu/uhs/reach.html. It is scheduled to be updated in the near future.

Scioto Health Clinic
• The Web address is http://www.med.uc.edu/uhs/sciotoclinic/homepage.html.
• Continued to provide primary care for all students of the West campus.
• Supporting services that are in-house at Scioto include a CLIA certified moderately complex lab, x-ray services and an apothecary style pharmacy.
• The following medical services are also provided in-house at Scioto: Women’s health clinic, Dermatology clinic, Employee health services, Mental health clinic, Dental clinic, Optometry services, Allergy injection services, Prematriculation health screens for international students, Physical therapy clinic, Sports medicine and team physician services for all varsity athletes, Billing services for all of UHS.
• Dr. Watkins gave several talks on campus to students regarding contraception and STI’s.
• Training in blood pressure was provided for College of Education students.
• Scioto served as a clinical site for the training of numerous internal medicine residents, nurse practitioner students and others.
• Staff participated in several student and employee health fairs on campus
• Provided a site on several occasions for Wellness to offer free HIV testing and counseling.
• Created a new full time psychologist position
• Due to demand from a change in pharmacy benefit of SHI further restricting use to the UHS pharmacy and the loss of the Holmes pharmacy as a site for East campus students, added a second full time pharmacist position
• Added an interactive voice response system to the pharmacy for refills
• Initiated a delivery service for prescriptions to the East Campus students
• Assisted Holmes clinic licensure as a pick-up station for prescriptions
• Managed the new co-pay only benefit for prescriptions in the SHI program
• Increased physician staffing by 0.1 FTE and psychiatry staffing by 0.1 FTE
- Worked with campus planners in design of a new health service building for West Campus
- The lab served 7173 patients, an increase of 10.2%
- The pharmacy filled 17,373 prescriptions, an increase of 25.8%
- Total patient visits for 2003 was 24548, an increase of 0.6%

**Student Health Insurance Plan**

- The Web site for the Student Health Insurance Plan is [http://www.med.uc.edu/uhs/studenthealthinsurance/HomePage.html](http://www.med.uc.edu/uhs/studenthealthinsurance/HomePage.html). On the Web site, we have the Policy Book, waiver and enrollment cards, and claim forms for quick online access.
- The Student Health Insurance (SHI) single student premium remained at $319 for the 2003-2004 academic year. UC students and dependents continue to be able to purchase a policy with exceptional benefits at a relatively low cost, giving them the benefits of being under a group plan.
- For the current policy year, the pharmacy benefit was changed so that students only have to pay a co-payment to get their prescription from UHS. The mental health benefits were also increased.
- After a successful bid process, Combined Insurance Company of America was chosen and continues to be UC’s underwriter for the SHI Plan for a new four-year contract.
- Klais and Company continues to be the claims administrator for the SHI Plan.
- Eight thousand, eighty-one students purchased UC SHI for the fall quarter of the 2003-2004 academic year. This is an increase of approximately one thousand students over fall term of last year.
- This is the third year the online waiver has been active. In an effort to encourage students to use the online process, the UC SHI Office chose not to send out hard copy waivers with the bills this year. Included with all priority class schedule/bills was a “checklist” that informed students as to what they needed to do in order to waive insurance.
- The SHI Office received 21,638 online waivers for fall quarter. That is an increase from approximately 16,000 last year. This year the SHI received 2,253 hard-copy waivers. This was a significant drop compared to previous years when 25,000 hard copy waivers were processed.
- With the University working towards an all e-billing system, the SHI office is already getting the students prepared to use email to check their account status. The SHI office sent out late letters through email to all students who had a SHI charge on their account, informing them of the charge and giving them additional time to waive if they did not want UC’s SHI.
- With the growing number of distant learning students, the SHI Office is working with many departments to ease the waiver process for students. The SHI Office is getting feedback from the various colleges stating how appreciative they are and how easy it is for them and their students.
- Full-time employees who are taking classes are not required to waive the SHI. The computer program that was created to automatically remove the SHI charge for those employees with UC benefits continues to be run each quarter. Their dependents, however, must still waive SHI charges.
• The Health Alliance and University of Cincinnati Physicians continue to be the preferred providers of the SHI Plan.
• When students are outside of the greater Cincinnati area, they use a National network called Beechstreet, to obtain their highest level of coverage.
• In October a workshop explaining how the UC SHI plans works was offered to the graduate students.
• The SHI Office continues to have involvement in the orientation process for new students. A videotape presentation discussing UHS, the availability of meningitis vaccine, and student health insurance is made available to UC colleges and their individual departments. In addition, SHI Office employees continue to make presentations to inform both students and parents about the student health insurance requirement and the waiver process throughout the year.
• During July orientation, the SHI Office had four computers and a staff member available to assist the students in waiving their health insurance. A SHI representative was present for guidance and questions. Both the students and the parents received this very well.

UC Wellness Center
• The UC Wellness Center’s Web site (www.wellness.uc.edu) contains up to date health and wellness information along with current events and programs.
• The Wellness Center received a $29,000 grant from the National Collegiate Athletic Association to conduct an alcohol social norming campaign at UC; this is the third year of a three-year grant.
• The Wellness Center received a $15,000 Success Challenge Grant to continue to provide Friday Night Live programs, alcohol free late night programs to the UC community.
• The Wellness Center received $8,800.00 from MainStreet to continue to provide Friday Night Live programs, alcohol free late night programs to the UC community.
• The Wellness Center coordinated the 5th annual Breast Cancer Awareness Month and raised $1,202.50 for the Susan Komen Foundation and the Barrett Cancer Center.
• The Wellness Center coordinated the 4th Annual UC Health and Wellness Fair and had over 60 booths and over 2,000 participants throughout the event. This year we were able to provide, free blood pressure screenings, body composition testing, and free glucose testing.
• The Wellness Center staff provided body composition, strength testing, blood pressure checks and flexibility testing to 227 students, faculty and staff.
• The Wellness Center provided 63 programs and workshops to 1,351 students, faculty and staff on alcohol, tobacco, nutrition, sexual health, stress management, body image, exercise and other health and wellness related topics.
• The Wellness Center continued to provide students, faculty and staff with a quarterly health and wellness newsletter, which is sent to over 900 individuals.
• The Wellness Center sponsored 5 lunch and learn program series (health and wellness programs held at the lunch hour), with an overall attendance of 177.
• The Wellness Center maintained an alcohol education program for 55 students.
• The Wellness Center coordinated over 15 health and wellness awareness events, such as Wellness Week, Safe Spring Break, Body Acceptance Week, Stress Awareness Days and Random Acts of Kindness Days.
• The Wellness Center staff maintained membership in national and local health and wellness organizations and continues to participate in numerous university committees
• The Wellness Center continues to offer smoking cessation classes and to work with the Tobacco Advisory committee to implement new policies and initiatives
• The Wellness Center staff maintains their national certification in the American Lung Association’s smoking cessation program, TIPS alcohol facilitation, and CPR
• The Wellness Center continues to employee 5 students who gain experience in health and wellness programming
• Friday Night Live continues to provided UC students with non-alcoholic events on Friday Nights on campus throughout the school year

University Employee Disability Management Services
• The Disability Management Web page is http://www.med.uc.edu/uhs/disabilitymanagement/disgmthome.htm
• Mr. Bangs, Disability Manager, case managed 279 disability cases and coordinated return to work for 234 cases including 117 cases that participated in restricted work assignment. Employees served included university faculty, staff, and student workers having a disability.
• University Employee Disability Management Services provided vocational rehabilitation case management services including office and ergonomic consultation, transitional duty coordination, and workplace accommodation resolution services. Mr. Bangs also coordinated on-site physical therapy services and functional capacity evaluations for employees with work-related injuries.
• Mr. Bangs participated in the University's Americans with Disabilities Act (ADA) Committee and assisted university department managers and supervisors with Family Medical Leave and ADA accommodation issues.
• He also conducted work site job analyses to determine essential and secondary job functions, assisted in obtaining external funding for the purchase of adaptive equipment and for job accommodation aids.
• Mr. Bangs maintained the department's employee disability database tracking both for non-occupational as well as for work-related injuries and illnesses. He provided return-to-work and disability information/data to university departments including Environmental Health and Safety, Benefits, the Office of Equal Opportunity, and Employment Services. Data reports were also provided to the university's medical care organization for university employees filing a workers' compensation claim.
• Mr. Bangs maintained accreditation as an Ohio Bureau of Workers' Compensation (OBWC) Vocational Rehabilitation Case Manager and received re-accreditation as an OBWC Transitional Work Developer. He also received national re-certification as a Certified Rehabilitation Counselor with the Commission on Rehabilitation Counselor Certification.

The University Fitness Center
• University Fitness maintains a Web site for current program information (http://www.med.uc.edu/fitness). Listserv promotions were sent to all University of Cincinnati faculty, staff and students, the Health Alliance residents, and all employees of the Cincinnati Children’s Hospital Medical Center displaying a virtual tour of the
University Fitness Center, providing program and fitness information.

- The University Fitness staff was selected to provide the strength training component for Dr. Mariam E. Nelson’s *StrongWomen* national fitness program (Tufts University) in coordination with the University of Cincinnati College of Nursing and Health. In addition, a pilot study will be conducted focusing on *Strong Bone Self-Efficacy* for UC women faculty and staff in February of 2004.

- The University Fitness Center was selected to participate as a supervised practice rotation site for the Coordinated Program in Dietetics being developed by the Department of Nutritional Science at the University of Cincinnati.

- University Fitness maintains a 3,500 square-foot exercise facility located on the 5th floor of Holmes that includes a full line of state-of-the-art Nautilus machines, free weights, cable machines, and a variety of cardiovascular equipment along with Cardio Theater. A variety of group fitness classes are offered to University Fitness Center members.

- The fitness center is staffed during all hours of operation, which include 6 a.m. to 9 p.m. on weekdays, and 9 a.m. – 4 p.m. on Saturdays.

- A member management database is maintained for all members, and a member payroll deduction system is coordinated with UC Payroll and Employee Information Services and Cincinnati Children’s Hospital Medical Center Human Resource and Payroll Departments. In addition, an automatic credit card billing system is maintained.

- The University Fitness Center offers to all members an exercise program based on the medical model provided by the current American College of Sports Medicine guidelines for exercise testing and prescription and complies with the Health Insurance Portability and Accountability Act (HIPAA) Security Regulations.

- Total membership at the fitness center, as of January 1, 2004 was 489 members.

  Membership breakdown:
  - 125 Full-time medical students
  - 221 UC employees (via payroll deduction)
  - 64 CCHMC employees (via payroll deduction)
  - 79 Quarterly members (auto charge/invoiced UHI, and community)

- University Fitness provides incentive programs to fitness center members throughout the year.

- Each month, the fitness center provides health awareness topics such as American Heart Month, World AIDS Day, Great American Smokeout, National Child Safety week, etc. In addition, quarterly sports-specific training information is posted with handouts at the fitness center and nutrition education is provided regarding fad diets and current nutrition research.

- The University Fitness Center maintains all necessary forms to comply with the Records Retention requirements set forth by the UC Records management Program.

- The University Fitness Center collaborates with UC Public Safety, UC Environmental Health and Safety, the Health Alliance Parking and Access Control Office for member and staff safety and security issues.

- University Fitness staff serve as the UC NetWellness experts for exercise and fitness questions. In addition to ongoing NetWellness questions, presentations were given to UC faculty, staff and students and to the American Academy of Professional Coders. Fitness information is provided to UC Public Relations, as requested.
The University Fitness serves as an exercise outlet for families staying at CCHMC and the Ronald McDonald House, in cooperation with The Caring Network of Cincinnati Children’s Hospital Medical Center, and at Holmes on Eden. In addition, the fitness center coordinates guest privileges to visiting military personnel rotating through the division of Trauma and Critical Care at UC.

Specialty classes including Living Fit with Osteoporosis (in cooperation with the UC Center for Reproductive Health), Living Fit (offered specifically for members of the UC Physician’s Weight Management Program), Massage Therapy, and Travel Fit were offered throughout the year.

Together, the four fitness instructors maintain a personal training client base of 40 individual clients.

University Fitness staff provided the following appointments throughout the year:

- 213 Pre-screenings
- 174 Orientations
- 25 Equipment reviews
- 1,614 Personal training sessions
- 4 Body composition assessments
- 230 Aerobic classes
- 94 Abdominal classes
- 9 Specialty group fitness classes
- 14 Fitness consultations
- 30 Massage therapy sessions (beginning from May 22, 2003)

University Fitness serves as consultant to UC Department of Intramurals and Recreation for the Shoemaker Aerobics Program. Revenue totaled $8,975 for the 2003 calendar year.

University Fitness staff consult and collaborate with local physical therapy agencies on an on-going basis to enhance training programs for members.

Programs including the Women’s Center for Reproductive Health, the UC Physicians Weight Management, and UC College of Pharmacy requested our assistance in upcoming program development.

University Fitness participated in the UC Wellness Fair, the UC Employee Benefits Fair, and the Cincinnati Children’s Hospital Employee Benefits Fair.

The staff maintain certifications including the American College of Sports Medicine, the American Council on Exercise, the National Strength and Conditioning Association, CPR, Blood borne Pathogens, American Lung Association’s Freedom From Smoking Clinic Facilitator, registered and licensed dietitian, and licensed massage therapist.

The Director is a member of the Just Community committee, whose charge is to provide presentations and programs promoting healthy lifestyles to faculty, staff and students of the University of Cincinnati, and to the Greater Cincinnati community.

The Director participated in fitness center planning meetings with University Architects, BHDP Architecture, STUDIOS Architecture, Brailsford & Dunlavey Facility Planners, and Harley Ellis as part of the MSB Expansion and Renovation Project.

University Fitness provides a training site for students seeking practicum experience and internships in health promotion programming.

Monthly member highlights are conducted focusing on a current member who has
demonstrated a positive health behavior change. The highlighted member’s photograph, along with a brief interview is displayed in the Fitness center lobby for member recognition.

- A Classic Club of ten members aged 75 years and older has been established to highlight members’ continued dedication to health and fitness. These members represent distinguished emeriti from the University of Cincinnati and Cincinnati Children’s Hospital Medical Center.
- A registered and licensed dietitian provides nutritional counseling on topics such as exercise and weight management and healthy eating for faculty, staff, students, and the community with nutritional concerns. She also serves as a referral dietitian for the Department of Athletic Medicine for student athletes with nutritional concerns.
- Fifteen-month calendars were designed and printed for fitness center members and employees of the Medical Center.

Shriners Hospitals for Children, Cincinnati

Shriners Hospitals for Children-Cincinnati continues to collaborate with University of Cincinnati Medical Center to be a national center of excellence for pediatric burn treatment. Shriners have excelled at the business of creating a children’s burns facility that is second to none. But the system recognizes the strong competitive forces within the global medical and health care environment, as well as its own internal demands – fiscal, structural and organizational. With this health care marketplace dramatically changing, Shriners is at a crossroads as well as a phase of exciting renewal.

This period for Shriners Hospital provides an opportunity to showcase our true excellence and nationally recognized standards of care for our patients and their families.

A new Telemedicine program that uses technology for “virtual visits” between Shriners Hospitals in Tampa and Cincinnati is proving to be a program in our hospital that will save money and increase our efficiencies.

A $1 million gift from the Jacob G. Schmidlapp Trust, Fifth Third Bank, Trustee will assist our 2004 research program by funding a Director of Research position for the hospital. Today, over half of children with burns over 95-percent of their bodies can be saved, due largely to treatments and research that has been developed at our facility. The future potential, with this Director of Research position is even more significant.

After 18 years leading Shriners as Chief of Staff, Glenn D. Warden, MD, stepped down from this position in February 2004. During his tenure, Dr. Warden spearheaded significant advances in burn care; clinical care, research and education efforts progressed immeasurably under his leadership. Dr. Warden has been an active member of the American Burn Association since 1973. He has held numerous committees and officer positions throughout the years, and was President of the ABA in 1992-1993. Shriners Hospitals will be forever grateful to Dr. Warden for his leadership and accomplishments.
Veterans Affairs Medical Center

The Cincinnati Veterans Affairs Medical Center is proud of its long and productive affiliation with the University of Cincinnati College of Medicine and University Hospital. The VAMC is a 235-bed facility which is undergoing dynamic changes including building projects to enhance the Surgical Intensive Care Unit, the Cardiac Catheterization Lab, and Ambulatory Care, Psychiatry and Gastroenterology Services. We are moving forward also on plans for a new research building.

We are particularly proud of our state-of-the-art Medical Intensive Care Unit, orthotics and prosthetics shop for upper- and lower-extremity amputees, and the Fisher House (adult Ronald McDonald House) that houses veterans from beyond the Greater Cincinnati beltway who need outpatient attention at the facility. This is one of a limited number of such facilities in the country at VAMCs and military medical facilities.

Approximately 79 residents and 175 students are at the VAMC at any given time and involved in their education in patient care as part of the national VA programs which are involved in training of 70% of all healthcare trainees and 60% of all physician trainees. Many medical students also rotate on the medical, surgical and psychiatry services. I have been most impressed since my return to the VA with our computerized medical record, CPRS, computer order entry, and the effect that these programs have on multiple aspects of patient safety including identification, communication, legibility and clear and readily available medical records. The culture of safety and ethical behavior that has been incorporated into the VAMCs nationally is a significant feature of our care and teaching at the Cincinnati VA Medical Center. A PACS system in Radiology will be installed over the next several months which will make radiographic images more readily available to the clinicians.

Research at the VAMC presently includes health systems research, clinical and bench aspects, and totals approximately 14.2 million dollars.
Support

Management, Finance and Support Services

- Sponsored Programs – East Campus saw an increase in grant funding of 28.40% over FY 2002. Total funding for the UC Medical Center was $142.6 million. The UC Medical Center and its affiliates totaled $256.0 million.
- Participated in and provided data for the Steering Committee and Finance Sub-Committee for the LCME accreditation site visit. Met with the Accreditation Review Committee regarding the College of Medicine financial status.
- Implemented quarterly variance reporting as a tool to measure financial soundness for AIT&L, the Colleges of Nursing, Pharmacy, and Allied Health in addition to the College of Medicine basic science departments.
- In partnership with the Office of General Counsel, established a consolidated Medical Center legal office.
- Piloted the use of electronic CUFS budget submittals for FY03 submittals and offered this electronic process to all medium and large sized operations during Spring 2003 for FY04.
- Developed and completed Fund Restriction Reports for all Medical Center departments and units. These reports are provided to departments as a reference to guide them on the approved uses and restrictions of their funds.
- Coordinated Business Administrator searches for the Departments of Cell Biology, Family Medicine, Ob/Gyn, and Physiology. Became more involved in providing input and guidance in the hiring of BAs. Established a salary matrix with all BA salaries in order to work towards ensuring equity when establishing starting salaries.
- Partnered with University Human Resources to finalize implementation of the broadbANDING compensation structure for fiscal positions.
- Conducted informal and interactive training sessions which provided employees with valuable sources of information. Some of the topics included: Sponsored Research Grant Budget preparation, Equal Opportunity and Harassment, HIPPA, and Teambuilding.
- Continued to oversee all Medical Center non-faculty personnel issues (excluding research titles). This included offering assistance to departments regarding personnel policies and procedures, processing and approving recruitment and affirmative action paperwork and maintaining the open position database. Worked closely with departments and administrators in the development of job descriptions for positions and performed salary research. Most importantly, acted as a liaison between Human Resources and departments on difficult personnel issues.
- Managed rollup of the annual budget process and presented data to the Dean, College of Medicine and Senior VP & Provost for Health Affairs. This rollup information represented a $543M expense budget for all colleges and units within the Medical Center of which $201M is related to practice corporations.
- Prepared the annual Blue Book which is comprised of charts, graphs, and other analysis. The report represents financial information for the Medical Center and is the five-year financial projection for the Medical Center.
• Began implementation of an audit of Pcard users to ensure proper usage and reconciling. This will be a full-scale program in FY05.

• Established the Academic Medical Center Business Administrators group. This group meets on a monthly basis to discuss current topics and issues of interest around the Medical Center. Vital information is also disseminated through this channel. Various speakers and presenters are invited to relay pertinent information.

Participated in the CUFS replacement focus groups. The steering committee identified areas of financial focus which included Accounts Payable, Student Billing, Account Receivable, Endowments, General Ledger, Budget and Position Control, and Grants. Involvement in these focus groups involved developing an RFP, vendor presentations, voting rights and ultimately influenced the choosing of the appropriate vendor to replace the University’s existing CUFS financial system. Almost every staff member was an integral part of at least one of the sub-committees.

Office of Development and Alumni Affairs

Since the last State of the Medical Center Address in 2003, a number of significant gifts were received to support various programs at the Medical Center. A list of key donations of $100,000 or more includes:

• The Department of Nutritional Sciences at the College of Allied Health Sciences has secured an anonymous $1.88 million endowment for dietary studies in maternal and child nutrition, with a focus on birth defects.

• The College of Medicine was a beneficiary of the George and Ester Gross, M.D. Trust. The $1.6 million dollar gift was used to provide start-up dollars and endow the directorship of the new Diabetes Center to be established in the spring of 2004.

• Carl Lindner committed $1.5 million to support the Department of Surgery’s Center for Surgical Innovation program. The gift was used to recruit pioneer of robotic surgery, Dr. Randy Wolf, back to Cincinnati. In addition it was used to purchase a DaVinci Surgical System robot for use in training and research.

• Dr. E. Vernon Smith made a pledge of $1.5 million to establish the Dr. E. Vernon and Eloise C. Smith Endowed Chair in Ophthalmology. Once funded, the endowment will provide support to the Chairman of the Department of Ophthalmology.

• George and Elizabeth Wile made generous contributions totaling $419,130 to complete two endowed chair campaigns; The Clarence M. McLain Endowed Chair in Medical Student Education and the Robert and Myfanwy Smith Endowed Chair in Family Medicine. Both of these endowments support the promotion of humanism in medicine.

• Ethicon Endo-Surgery, Inc. made a $350,000 commitment to establish the Ethicon Endo-Surgery Fund for Innovations in Surgery and to create an endowment supporting the director of the Center for Surgical Innovation leading ultimately to an endowed chair.

• The Charlie L. Shor Foundation pledged $300,000 to the Cincinnati Epilepsy Center in the College of Medicine. The gift will be used to support research and education in epilepsy.
• Dr. and Mrs. George Rieveschl supported the Robert and Myfanwy Smith Endowed Chair Fund in Family Medicine by making a $250,000 gift from the Rieveschl Foundation.

• In an effort to support the start-up campaign for the Diabetes Center and motivate others to contribute to this program, John G. Smale provided a challenge gift of $250,000.

• University of Cincinnati Surgeons, Inc. also committed to supporting the Center for Surgical Innovation teaching lab construction with a $200,000 pledge. Upon the Center’s completion in the summer of 2004, surgical trainees and practicing surgeons will begin learning new surgical procedures using various state-of-the-art models.

• Procter & Gamble Pharmaceuticals made a gift in kind contribution in excess of $165,000 to the College of Pharmacy’s Division of Pharmaceutical Sciences.

• The Medical Center Fund matched gifts made from UC faculty and staff during last year’s campaign to support the John J. Hutton, M.D. Lectureship in Ethics Fund. The amount raised and matched by the Medical Center Fund was $155,692. The Hutton Fund now stands at over $747,000 in commitments.

• University Emergency Physicians supported the construction of the new Center for Surgical Innovation teaching laboratory with a pledge of $100,000.

• David W. Warner contributed $100,000 to support the Department of Ophthalmology’s Quest for Vision Fund.

• Suzanne Warrington supported the John M. Tew Endowed Chair in Neurosurgery with a gift of $100,000.

Recent planned and estate gifts to the Medical Center of $1 million or more include:

• Shirley Snow made a significant bequest expectancy of $2 million to the College of Nursing. $1 million is designated for the Center for Living with Dignity and $1 million is designated to support scholarships.

• The Estate of Victor and Odette Haas donated $1,172,000 to support the library system at the College of Medicine.

The Office of Development and Alumni Affairs was also involved in a number of successful events, several of which are highlighted below:

• The College of Medicine held Reunion 2003 last May for MD alumni from the class years ending in a “3” or “8”. The weekend began with tours of the College and the Medical Center led by current medical students; a presentation on the exciting renovation planned for the Medical Sciences Building (MSB) and the construction of the Center for Academic Research Excellence; a Scientific Session, “Focusing on the Brain in the 21st Century” for CME credit; and individual class parties. The next day featured a guided tour of the spectacular Vontz Center for Molecular Studies and a driving tour highlighting the many changes that have taken place on east and west campuses. Following the tour was a financial and estate planning seminar. Afterwards alumni were treated to a Cincinnati-style luncheon of Skyline Chili and Graeter’s Ice Cream. Reunion weekend came to a close with a festive all-class banquet and dance Saturday evening at the Kingsgate Conference Center. The Golden anniversary class of 1953 and the Silver anniversary Class of 1978 were specially honored. The Distinguished Alumni Awards were presented to Dean J. Kereiakes ’78, Milton Rosenbaum ’34 and John C. Willke ’48, along with the Student Alumni Award to Jennifer Ernst, class of 2003.
• The College of Nursing held Reunion 2003 with attendance at an all time high of 140. The celebrating classes included the classes from every five years from 1943 through 1998. The celebration began with a Friday evening reception at the Kingsgate Conference Center. The reunion continued on Saturday with a continental breakfast at Procter Hall followed by campus tours and the opportunity for alumni to tour Procter Hall at their own pace and see “what’s new” at the College. The Saturday program featured the Dean’s report on the College’s successes and latest developments, followed by the class recognition of the celebrating years. The program continued with the recognition of Elaine Cox Nishioka, BSN ‘78, MSN ‘87, winner of the Distinguished Alumnus Award and Connie Binder Barker, MSN ‘90, winner of the Rosnagle Service Award. The program concluded with the recognition of the 2003 Rosnagle Alumni Scholarship recipients, Amy Phillips and Laura Brown.

• The “Think Pink” event for the UC Cancer Center/The Barrett Center sold out at 704 guests for the luncheon and shopping raising $118,000 for breast cancer research. In addition, Saks Fifth Avenue gave the 2% donation of its sales, September 17-20, to the Barrett Cancer Center as part of its Key to the Cure national campaign. We received $21,819 from Saks via the Entertainment Industry Foundation and $1,280 from Saks employees. This year’s contributions will be used for start up projects to determine why breast cancer rates are so high in the Tri-state area and to develop biological insights that will allow us to develop new and innovative treatments. They will also be used to discover ways to detect breast cancer early while it is still treatable.

• The College of Medicine hosted the 5th session of Mini Medical College during October. This four-week peek into the life of a medical student is designed to be entertaining, educational and easy to understand. Participants not only have the chance to get a taste of medical school, but will also become educated on many health issues and cutting-edge technology related to lung cancer, obesity, bioterrorism, hepatitis C, heart failure, Alzheimer’s, surgery, and stroke.

• This informative program—co-sponsored by the Office of Development and Alumni Affairs at the UC Medical Center and Communiuniversity—offered two presentations each Tuesday from 6:30-8:30 p.m. Upon completion of the program, students attending all four evenings received a Mini Medical T-shirt and a certificate of participation.

• The College of Nursing held its annual Scholarship Dinner. A total of 146 nursing students were awarded scholarships totaling more than $250,000 this calendar year (2003-2004). In addition to the nursing scholarships, The Dayton Nursing Alumni Chapter recipient received $1000, two Nursing Laura Rosnagle Endowed Scholarship recipients received $7000; Speaking of Women’s Health Foundation Scholarship recipient received a $13,000 scholarship, and the two University Hospital Minority Scholarship recipients received a total of $14,000. Over 270 were in attendance which included benefactors and the College of Nursing Board of Advisors. Benefactors in attendance were Barbara and Roderick Barr (Barbara and Roderick Barr Scholarship) and Mrs. Runette Giuseffi and her family (Jerome Giuseffi, Jr. MD Scholarship).
Public Relations and Communications

Public Relations and Communications supports and promotes the endeavors of the Medical Center through its various media relations and communications services.

Public Relations and Media Relations
Positive coverage of Medical Center people and programs in national publications such as The New York Times, The Wall Street Journal, The Los Angeles Times, and The Washington Post, as well as local and regional news outlets, further positions the institution as a place that conducts leading-edge research, teaching and patient care. The public relations/media relations team actively promotes the people and programs of the UC Medical Center.

In 2003, numerous Medical Center projects, studies and events received extensive national, regional and local press. More than 1200 logged media clippings indicate that the UC Medical Center was mentioned, or experts were quoted, on average of 100 times per month.

The following highlights are not comprehensive but show the array of contributions that were recognized.

- Paul Keck, MD, psychiatry, was quoted in the The Wall Street Journal about anti-psychosis drugs
- David Hui, PhD, pathology, was quoted by the Dallas Morning News about a study that pinpoints an artery plaque promoter
- UC internal medicine experts Keith Melvin, MD; T.J. Reddington, MD; and Mark Bibler, MD, were featured in a blood pressure alert article that appeared in the Morristown Daily Record and Gannett Newspapers
- Bonnie Brehm, PhD, did a scientific comparison of the Atkins diet and the American Heart Association’s diet. The results of this study appeared in the Journal of Endocrinology, and Brehm was also quoted by HealthScoutNews-Medical online, the Advocate, and Glamour and Elle magazines
- Margery Gass, MD, served as the president of the North American Menopause Society, and was quoted by the St. Petersburg Times, the Associated Press, The Washington Post, and online publications and newspapers across the country about HRT and other menopause issues
- Brian Gibler, MD, director of emergency medicine, was quoted in the Greenwich Times, the Advocate and Pharmalive about the early use of anti-platelet therapy in treating suspected heart problems
- Joel Tsevat, MD, was quoted in the Atlanta Journal Constitution, Dr.Koop.com, Intelihealth, Kiplinger.com, Reuters News Report, Yahoo! News, HealthCentral and EurekAlert about his study that showed that a third of HIV patients say that their quality of life improved after diagnosis
- Sergery Grinshpun, PhD, environmental health, was quoted by ammednews.com in an article about whether surgical masks stop SARS infections
- Henry Nasrallah, MD, the new director of psychiatry, was quoted by Hoover’s Online, Women's Financial and National Hispanic about the current concerns of psychiatrists
Ron Sacher, MD, director of Hoxworth Blood Center, was quoted by PR Newswire, Lycos Finance-Raging Bull and other online publications about Bayer biological products that received FDA approval

Joe Broderick, MD, and Alex Schneider, MD, co-authored a paper in JAMA about the need for quick recognition of symptoms and treatment for stroke, and were quoted in papers across the country including The Los Angeles Times

Rosie Miller, RN, and Dawn Kleindorfer, MD, appeared on 88.5 FM WMUB in a discussion about recognizing symptoms of stroke

Susan Montauk, MD, appeared on 88.5 FM WMUB in a discussion about how the off-label use of medication benefits children greatly

Susan McElroy, MD, was quoted by the New York Times about curbing cravings with topomax (an anti-epileptic drug)

Lique Coolen, PhD, discovered the group of cells that initiate ejaculation in the lower portion of the spine, published a paper in Science, and was quoted by Reuters Healthcare, Sci-Fi Today, EurekaAlert and Yahoo! News

Grace LeMasters, PhD, environmental health was interviewed by 88.5 FM WMUB about being the recipient of the Silver Medal

Steve Rudich, MD, was interviewed by 88.5 FM WMUB about new hope for liver transplants

Gregg Warshaw, MD, published a paper in JAMA about a predicted shortage of specializd doctors for geriatric patients in the next decade and was quoted in the online publication CBSMarketwatch.com;

Robert Cohen, MD, endocrinology/internal medicine, was featured on 88.5 FM WMUB and answered call in questions about diabetes and the ACCORD study.

Jonathan Bernstein, MD, was quoted by ABC.Online, Women's Health and the Wallowa County Chieftain about allergies

Stephen Page, MD, physical medicine and rehabilitation; Keith Wilson, MD, otolaryngology; and Doug Kinnet, MD, pediatrics; were quoted by Spectrum on how botox injections can sooth some disorders

Nelson Watts, MD, presented several papers about treatments for osteoporosis and was quoted in newspapers across the country

Stephen Strakowski, MD, psychiatry, was interviewed about how MRI helps to pinpoint depression in a feature that appeared on CNBC, and Discovery Health network

The media relations team also:

- Coordinated publicity for the open house of the new Center for Imaging Research
- Coordinated publicity for the research funding announcement
- Coordinated joint press conference with Cincinnati Children's for a $25 million Center for Computational Medicine
- Coordinated publicity for open house of the Genome Research Institute (GRI) with director David Millhorn, PhD.

Writers continued the planning and editing of Medical Center Findings in 2003. This print publication is now also available online at http://medcenter.uc.edu/pr/findings.
Support of internal communications efforts brought public relations team members together with outside communicators to assist in the preparation of the College of Medicine’s weekly internal newsletter, The Dean’s List.

Medical Center Public Relations and Communications can be accessed on the Web at http://medcenter.uc.edu/pr.

**Self–Supporting Communication Services**

The Communication Services cost recovery centers continue to upgrade skills and services to meet the needs of the Medical Center faculty, staff and students for presentations, photography, videography and design.

**Duplicating Services**

In 2003, Medical Center Duplicating Services (MCDS) continued its growth into the digital reprographics arena by upgrading present copier placement with digital on-line printer-copiers, as well as the addition of new digital copier-printer placements. MCDS has continued to increase the scope of their clientele by becoming further viewed as a university-wide service center. This expansion will insure that MCDS will continue to have the resources to provide the best mix of reprographic technologies to support the Medical Center and its goals.

Copier-printer placements throughout the university, including locations on the West Campus, Raymond Walters and the Genome Research Institute, grew from 160 to 180 in 2003.

For the first time in over 30 years, MCDS opened a new copy center. At the invitation of the College of Education, MCDS opened a satellite copy center in Dyer Hall to meet the growing needs of our West Campus clientele.

**Art & Design Services**

Art & Design Services provide numerous design services to the Medical Center community, such as posters, flyers, charts, graphs, invitations, illustrations, brochures, backdrops, and press conference and room signage projects.

In 2003, Art & Design Services expanded their popular wide format poster printing services to include outdoor poster/banner design and printing.

Wide format poster design and printing has been so successful, that 2003 saw an overall 20 percent increase in wide format service. Design and production services increased by 32 percent.

In 2003, Art & Design Services produced materials for the GRI grand opening, AIT&L’s annual report, Internal Medicine’s annual report, the Community Outreach report, Allied Health, the Think Pink fundraiser, and the Sabin Historical Marker dedication. Art & Design Services continued its design services for *Findings*, the Medical Center’s monthly publication.

In addition to print materials, Art & Design has Web design capabilities. In 2003, production artists created/maintained Web pages for Alumni and the Greater Cincinnati Pain Society.
Continuous maintenance of the UC Medical Center site, as well as the Public Relations & Communications site, continued in 2003.

Art & Design Services has also significantly grown to include more of a university wide clientele base.

**Photography Services**
In 2003, Photography Services greatly expanded their services across both campuses. In addition to annual medical student and internal medicine resident portraits, Photography Services worked with Art & Design to photograph and design composite student portraits for two departments within the College of Applied Sciences and four departments within the College of Engineering. Individual student photography continued in 2003 with events such as the College of Medicine Match Day, the White Coat Ceremony, and the College of Nursing graduation.

Photography Services provided quality group photos to 30 departments/groups in 2003, including Pharmacy Residents, Psychiatry, Anesthesia, the College of Nursing Board of Advisors, and the Medical Center Executive Committee.

Photography Services has provided photography for a number of Medical Center and university brochures and Web pages, including the AIT&L Annual Report, the updated Vontz Center Brochure, The Neuroscience Institute development publication and Web page, The Alumni Bulletin and Alumni Web page, the GRI Web and print publications, and UC Physicians Web publications. Photography Services continued services for Web and print publications for Medical Center Findings, The Department of Psychiatry, Environmental Health, the College of Medicine, Cincinnati Children’s, and the Health Alliance. In support of media relations efforts, Photography Services has supplied photographs to the Cincinnati Enquirer, the Cincinnati Post, the UC News Record, the Ohio Historical Society and the Ohio Bicentennial Commission.

Event photography continued in 2003. More than 50 events were scheduled, including the Medical Alumni Reunion, the College of Nursing Alumni Reunion, the College of Medicine Service Awards, the College of Nursing Endowed Chair reception, the Martin Luther King Celebration, the Florence Nightingale Awards, the Drake Medal Awards, GRI Open House, and the State of the Medical Center and the State of the College of Medicine addresses.

With the purchase of a new digital camera, and high resolution scanning equipment, Photography Services has doubled their ability to shoot, process and manipulate digital images for the Medical Center.

**Digital Video Services**
In 2003 Digital Video Services continued its support of the Medical Center and its activities with on-location as well as studio-based videography, digital editing, and tape/ DVD duplication. Digital Video Services enlarged the scope of its clientele in 2003 by providing services to other areas of the university such as the College of Engineering and university-wide events like Celebrate UC/Quality Service Awards.
Projects in 2003 include the grand opening video for GRI, a pesticide sampling kit video for Environmental Health, an orientation CD/video for the College of Engineering, as well as work for The Mayfield Clinic and the Hoxworth Blood Center.

Digital Video Services has also continued its work with NewsTALK, a Web-based digital video news series for the Medical center.

**Radiation Safety**

The University of Cincinnati Radiation Control and Safety Program (RCSP) is primarily regulated by the Ohio Department of Health. The Ohio Department of Health continues with their effort to separate Ohio regulatory oversight from federal regulations. In 2003 the Ohio Department of Health continued the process of establishing Ohio specific rules for the medical use of radioactive material. This process, which began in 2002, is expected to be completed in 2005 and the University of Cincinnati Radiation Safety Officer has been actively involved in the process as a member of the Committee designated to assist the Ohio Department of Health in drafting the rules.

In 2003 the possible use of radioactive materials for terrorist activities gained attention. During the summer, the City of Cincinnati performed a drill theorizing a terrorist exploded a “dirty bomb” in the metro station. A “dirty bomb” is a conventional bomb attached to radioactive material and is designed to spread radioactive material and create terror. The University of Cincinnati Radiation Safety Officer provided technical advice for incident response and casualty treatment at the request of participants. During the fall, the Nuclear Regulatory Commission and the State of Ohio requested information concerning larger radioactive material sources possessed under the RCSP. The information supplied will become part of a national database and is expected to result in increased regulatory oversight.

The use of radioactive materials continues to be an integral part of medicine and biomedical research at the University of Cincinnati. Unlike many institutions the number of users of radioactive material and the amount of radioactive material used under the RCSP is either stable or growing.

The use of radiation-generating equipment, such as x-ray machines and electron microscopes, continues to increase. Though radiation-generating equipment can be purchased with little oversight, users of radiation-generating equipment find that the use of radiation-generating equipment is highly regulated. The regulations include strict requirements for equipment operation and training of operators. In addition, the Ohio Department of Health inspects radiation-generating equipment every two to three years. These inspections are performed by facility. During 2003 a number of facilities under the RCSP were inspected, including The University Hospital, Shriner’s Hospital for Children, Cincinnati Children’s Hospital Medical Center, the University of Cincinnati West Campus and several of the outpatient clinics of Children’s Hospital. The inspection results were either very good or excellent.

One of the major goals of the RCSP is to implement a model program based on a culture of radiation safety. Extensive training and education, along with routine surveys and audits of
radioactive material usage, at least annual inspections by the Ohio Department of Health and an annual audit of the entire program by the Radiation Safety Committee helps ensure the University of Cincinnati retains a model radiation safety program. In addition, the Radiation Safety Office continues to strive to provide services and assistance to users of radiation sources that minimize regulatory impact and ensure personnel and members of the public are not unnecessarily exposed to radiation.
Office of the Provost and Senior Vice President

Office of Entrepreneurial Affairs

Strategic Plan for Entrepreneurial Affairs includes the following:

- To identify and develop resources needed to advance the commercialization of new technologies evolving from the University’s research programs;
- To develop educational programs that address areas of core competencies necessary to move toward successful commercialization of technologies;
- To serve as a central point of contact for industries seeking University expertise/collaborations;
- To stimulate new industry/university and university/university collaborations;
- To develop new training programs and other resources that meet the entrepreneurial needs of the region;
- To create venues for entrepreneurial networking with key resource groups in the region;
- To increase the visibility of the University’s strengths and more effectively promote the University as a regional resource for entrepreneurial activities;

Office of Entrepreneurial Affairs Activities/Accomplishments:

- Leader of the Ohio Valley Affiliates for Life Sciences (OVALS) initiative. The second annual regional conference was held March 8-9, 2004. Partners are: the University of Cincinnati, Air Force Research Lab, University of Kentucky, University of Louisville, Greater Cincinnati Chamber of Commerce, BIO/START, Lexington United, Greater Louisville Health Enterprise, and Kentucky’s Office of the New Economy. There is growing interest in OVALS as a strategy for growing biotechnology and life sciences in the broad region of Southwest Ohio and Kentucky.
- NSF Grant for “Cincinnati Creates Companies,” was awarded in September 2003. The grant is a collaborative effort of UC’s Office of Entrepreneurial Affairs, Colleges of Engineering and Business Administration and Intellectual Property Office, along with BIO/START, Greater Cincinnati Chamber of Commerce, and Hamilton County Business Center. The $600,000 award over a three year period provides funding for an educational/mentoring program on business plan development as well as competitive mini-grants to fund early implementation needs. The program received 57 applications, with 16 business ideas being funded. Program participants include faculty from both East and West Campuses and the community.
- Received a Kauffman grant of $50,000 to promote “Expanding Entrepreneurship Education at UC: Forming Cross-Collaborative Student Ventures.” This is a joint grant with the Office of Entrepreneurial Affairs and the College of Business.
- UC representative to CincyTechUSA Leadership Team to develop an implementation plan to establish Greater Cincinnati Region as a major area for Life Sciences. Progress includes stakeholder sessions completed with consultants from the North Carolina, and the hiring of a Consulting Group to begin the preliminary data gathering.
- P & G Strategic Planning to develop a stronger working relationship and leverage assets of both institutions. Will soon be announcing a jointly agreed upon Master Contract to facilitate the advancement of projects. Other joint collaborative processes are under discussion.
• Developed the commercialization plan for the recently awarded BRTT/Wright Center grant to develop the Center for Computational Medicine. Will serve as an on-going member of the commercialization committee.

• Organized an informational meeting with the Ohio Department of Development to present updates on Third Frontier Grant Opportunities. Also, organized strategic tours to provide an opportunity for ODOD to learn more about the strengths of UC.

• Partner/organizer of Cincinnati SoundingBoard (collaborative effort of the University of Cincinnati, BIO/START, Hamilton County Business Center, Ft. Washington Partners and Arch Ventures). This has developed into the region’s premier program for providing mentoring in business plan refinement, coaching on effective venture capital presentations and providing a forum for presenting business plans and receiving real time feedback from a panel of experts and investors. The Investors Forum is also organized by the SoundingBoard partnership, which provides an opportunity for angel and venture capital investors to discuss issues and to seek ways to coordinate efforts. All these activities provide important connections with external resources for UC.

• Formation of a Medical Center Business Council to provide a coordinated approach for assisting faculty in the commercialization of technologies. This includes identifying promising technologies and implementing strategies for moving them forward.

Contributions to Other University Activities

• Just Community East Campus Event on “Food, Fitness and Fads: Personal Responsibility for Choices” was highly successful and drew a standing room only crowd. As a follow-up, East Campus Just Community is sponsoring “Healthy Mind, Body and Spirit Week,” which will occur April 5-9. This will include presentations on healthy nutrition choices, meditation for rejuvenation, setting personal fitness goals, profiling of role models and physical fitness events.

• Chair of Women’s Institute for Leadership Development. The program model has expanded into new directions.

• A mini-series on leadership topics for past program participants and new participants interested in developing their leadership talents.

• The Multi-institutional Roll-out Program occurred this fall. The UC model is now the basis for a new program that includes UC, Xavier, Mount St. Joseph, Cincinnati State, Northern Kentucky University and Miami University. This opens up a multitude of new opportunities for networking, learning and accessing resources.

• Quality Service Initiative Advisory Committee which develops and implements strategies for promoting and recognizing high quality performance across all areas of the university.

• On planning committee to develop a Civic Engagement Council to develop strategies to better leverage our community partnerships in building a favorable reputation for UC, and to facilitate making connections with UC.

Office of Health Affairs

During this past year, the Office of Health Affairs has continued administrating several task forces put in place with respect to the Millennium Plan. More recently, this office is providing oversight of the Millennium Plan through the Policy Committee. In 1999, the medical campus of the University of Cincinnati embarked on a program called the Millennium Plan. The focus of this plan was to be a national leader in patient care, research, and education, consistent with the
missions of the colleges on the medical campus. The plan would also provide the basis in which biomedical research at UC plays a leading role in the economic development of Greater Cincinnati and Southwestern Ohio.

The specific goals of the Millennium Plan are:

- Double externally-funded research by 2006
- Substantially expand state-of-the-art research space
- Create a Research Institute linked with industry
- Recruit or develop internationally recognized researchers/clinicians, 200 at UCMC and 60 at CHMC who are funded competitively
- Strengthen or establish research cores to enable researchers to use state-of-the-art technologies
- Increase our ability to recruit outstanding graduate students and post-doctoral fellows
- Become a model for the entire UC Campus
- Become the major Midwest research center in biomedicine
- Advance the biomedical industry in Cincinnati by commercialization of research findings

Specific accomplishments, in several areas of the Millennium Plan, are addressed by the Office for Medical Center Planning, the Office of Entrepreneurial Affairs and the Office of Sponsored Programs in their reports. In addition, the following has been achieved in the past year:

- The Millennium Planning Committee asked the faculty to identify research areas to focus future recruitment. The following areas were identified and approved by this committee: bioengineering, cancer, cardiovascular biology, epithelial biology, the neurosciences, obesity, structural biology and proteomics, fetal programming and biodefense. The Senior Vice President and the Provost approved these programmatic areas. Millennium Plan Recruiting Task Forces were put in place for each programmatic area and recruitment to the approved positions was initiated.
- The Diabetes Task Force continued with their strategic planning. The goal of this task force was to design a clinical center for the treatment of diabetes that would promote clinical and basic science research initiatives. Clinical space has been identified, financial commitments have been formalized and fund raising has been initiated. A medical director for the Center has been recruited and plans are in place to start the center this year.
- The task force investigating the feasibility of offering an MPH degree has been put on hold while a new director for the Institute for Health Policy and Health Sciences Research is identified. There is unanimous consensus that we should pursue obtaining approval of this degree through the Ohio Board of Regents.
- Efforts continue to better integrate with West Campus initiatives.
- This office has been involved in the Comprehensive Academic Planning Process initiated by Dr. Zimpher.
Office for Medical Center Planning

Physical Plant
The office manages three major physical plant projects currently under development:

- The opening of the Medical Center’s new Reading campus, the Genome Research Institute (GRI).
- Planning of Facilities for Millennium growth.
- Start of construction of the MSB/Center for Academic Research and Education (CARE) project and renovation of the MSB.

Genome Research Institute:
The GRI campus, 360,000 gross square feet of wet laboratory and office space in Reading, Ohio, opened this year housing the College of Medicine departments of Genome Sciences, Pathology, and Psychiatry. In addition to these departments, Procter & Gamble will also have research laboratories on site. The GRI campus will foster the commercialization of the University’s biomedical research efforts. In addition, the planning office participated with the Department of Genome Sciences in preparing a Wright Center proposal for the renovation of Building 25 to house the Center for Advanced Cell Technologies.

MSB/CARE Project:
The MSB/CARE Project is one of the largest of UC’s construction projects. It includes the renovation of the Medical Sciences Building’s infrastructure and the construction of a new laboratory building (CARE). This project is scheduled to start construction in the Spring of 2004. The project is necessary to ensure that the MSB can continue to meet the research and academic functions of the East Campus and the Millennium growth. All of the MSB building systems—electrical, plumbing, telecommunications, and HVAC—are in need of upgrading or replacement if the building is to continue to function as a research facility. This past year the final construction drawings and relocation plans for swing space were finalized for Phase I construction of the project.

The first phase of construction for this project will involve vacating the west half of levels R-2 and assorted smaller spaces on the upper floors of the MSB. During this past year departments located in these areas have already been, or soon will be, consolidated or relocated to temporary space. The largest departments that are being relocated for Phase I are the Health Sciences Library, Emergency Medicine, Surgery, Pathology, and Molecular Genetics.

A project Web site has been developed (www.msb.uc.edu) that has schedule and project information, along with a search engine that can be used to find departments that have been relocated. The site also has renderings of the new facilities along with floor plans that will identify areas under construction.

It is projected that Phase I of construction should be completed by 2007. With the completion of Phase I, the Medical Center will have a new Health Sciences Library, new teaching laboratories for the College of Medicine, and new fitness and dining facilities, in addition to 71,000 nsf of new wet laboratory space in the CARE facility.
Other Capital Projects

In addition to these three large projects, this office is currently programming, budgeting, and monitoring over 60 renovation projects with project budgets totaling approximately $15.8 million dollars. This includes projects ranging from the renovation of space for the Department of Surgery to the installation of fire suppression in Wherry Hall. Included in these totals are 25 projects with budgets totaling $4.3 million necessary for the relocation of departments to clear space for the renovation of the MSB.

Funding Efforts

In addition to securing space for these new initiatives, the Planning Office continues to seek funding for projects. Much time and effort was spent this year securing federal and state funding for the MSB/CARE Project, and the need for this continues. The Planning Office, working with the College of Medicine departments, was successful in obtaining a BRTT/Wright Center grant of $26 million for the Center for Computational Medicine which will provide funds to finish one floor of CARE. Planning continues to work with the University Architect’s Office to develop the University’s capital budget and the allocation of basic renovation funding.

Other Planning Efforts

This year the Planning Office, in conjunction with the other colleges of medicine in the state of Ohio, updated the Medical Center’s economic impact statement which showed that for 2002 the Medical Center had an impact of $3.6 billion. The study further showed that by 2006 the economic impact of the Medical Center will exceed $4 billion. Because all of the state’s medical schools will be represented in the study, this will also be an excellent lobbying tool.

The Planning Office continues to work with the University’s Office of Space Management to insure that the space data on the East Campus is accurate. There have also been efforts this year to insure that all departments that need space information are integrated with the existing system. Currently Key Control, IACCU, Telecommunications, and Chemical Inventory are using the system.

Distributive Learning Collaboratory

Committee members: Dorothy Air, Ralph Brueggemann, Sandra Degen, Lou Ann Emerson, Bill Fant, Linda Goldenhar, Roger Guard, Gil Hageman, Judy Jarrell, Jack Kues, Dawn O’Neill, Leslie Schick and John Wesseling

The Distributive Learning Collaboratory is a working group of faculty and administrators from the four colleges on the East Campus, AIT&L, and the Vice President’s Office. The purpose of the group has been to develop IT resources that deliver and support education. They have successfully competed for over $1 million in grant resources and have developed a wide range of online education and training programs. The Collaboratory’s efforts have focused on four major project areas this past year.
Students on the Move
The Students on the Move project was originally funded by a grant from the Ohio Board of Regents ($342,000). This year the project completed the implementation of an East Campus-wide wireless Internet network with 84 access points installed in classrooms, study areas, and common spaces both inside and outside of East Campus buildings right now. Electronic course evaluations are eliminating paper forms and have recently topped 20,000 respondents. A generic electronic checklist application is also being piloted by medical students for logging clinical procedures as part of their educational experience. This application is also being used in the Center for Competency Development and Assessment (CCDA) for medical student assessment. All of these applications are available via the Web or Personal Digital Assistant (PDA).

NIH Research Training
Members of the Collaboratory have been awarded two NIH grants for research training from the NIH. Each grant award was for $150,000. The awards were for the development of online training on topics related to the ethical and legal conduct of NIH-sponsored research. To-date three online education modules have been developed: Coercion in Recruiting Research Subjects, Objectivity in Research: Conflict of Interest, and Ethical Considerations in Investigator Initiated Study Designs. These educational modules are available on the eCourses Web site: www.ecourses.uc.edu. In the next several months there will three additional modules completed and made available via the Web.

HIPAA Training
As the new HIPAA regulations went into effect the Collaboratory worked closely with several groups to develop online modules to meet the training requirements. The current HIPAA modules available on e-Courses has trained 3,000 individuals. A separate module was developed to meet the specific needs of the staff of UC Physicians and there has been discussion with other local institutions (eg., Children’s Hospital Medical Center and the Health Alliance) to develop common online training modules that will meet common needs.

eCourses
The Collaboratory worked closely with AIT&L to build the eCourses Web site as a central location for all online training. The first online course, Blood Borne Pathogens, has trained over 3,800 students, staff, residents, and faculty over the past two years. NIH Research and HIPAA training courses have been added to eCourses in the past year and over 7,000 individuals have participated in the available online training courses. A new version of eCourses is currently being tested with continuing medical education programs. New features include graded post-tests, online course evaluations, and online transcripts.

IAIMS
Collaboratory members are integrally involved in the new Integrated Advanced Information Management Systems (IAIMS) grant that was awarded in May, 2004. Online training and interactive resources are important aspects of this grant and fit well with several Collaboratory projects.