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# Academic Year Report

2000



 UNIVERSITY  
OF IOWA  
HEALTH CARE

*University of Iowa  
College of Medicine*



Dr. Robert P. Kelch, Dean

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Phenomenal is a word that describes an extremely outstanding person or thing. This year was phenomenal for the College of Medicine. In each aspect of our tripartite mission of education, patient care, and research, there are numerous examples of success and achievement. Allow me to show you a brief peek into our entry to this new century.

The College is committed to producing high-quality physicians who have the ability to lead our country into the next generation. In order to do this our faculty must dedicate themselves to providing opportunities for students to shine. Many of our students receive honors from highly competitive organizations in the country. For instance, Earl B. Maes and Susan Nicholas were awarded prestigious Bristol-Myers Squibb Academic Medicine Fellowships.

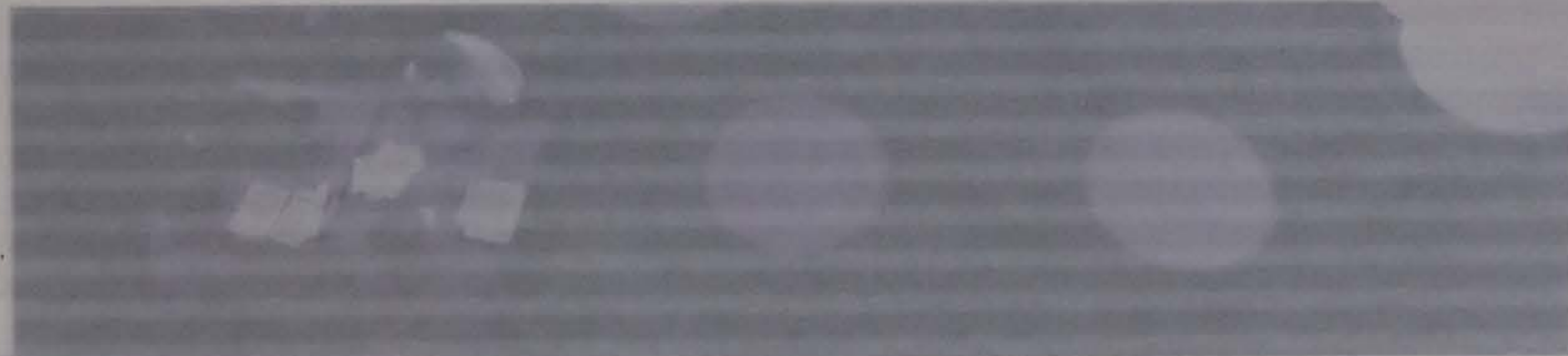
The UI Cancer Center enjoyed phenomenal success. In July, the National Cancer Institute deemed it worthy of its NCI-designation status. This allows the UI to network with an elite group of NCI-designated cancer centers throughout the country. Later in the summer, the Holden family of Williamsburg, Iowa, donated \$25 million to support a wide variety of critical cancer initiatives. In recognition of their generosity, the cancer center is now the Holden Cancer Center. The gift also establishes the Roland and Ruby Holden Cancer Research Laboratories, which will be housed in four floors of the northeast wing of the Medical Education and Biomedical Research Facility.

Our research enterprise is as strong as ever. It is somewhat difficult to measure this year due to the interim partial funding of some NIH grants. However, faculty members were awarded over 850 new and competitive renewals and received over 450 continuations from numerous public and private funding sources.

Each day faculty and staff marvel at the progress being made on the Medical Education and Biomedical Research Facility, which will open in fall 2001. We are not content to rest with this magnificent structure, however, and have contracted with architectural firms in Iowa and Massachusetts to develop schematic designs for the next building and create the footprint for a final building on the site. This will complete the move to a pedestrian campus and create a pleasant quadrangle where students, faculty and staff can enjoy the campus.

There is far more to know about the many goings-on at University of Iowa Health Care than I can cover here. Within the pages of this report you can learn more about the events that made this past year a phenomenal one. I hope you enjoy reading it.

Dean



### Mission

The College of Medicine has three inextricably linked missions: education, research, and service. The College aspires to be responsive to the needs of society, and in particular the citizens of Iowa, through the excellence of its educational programs in the health professions and biomedical sciences, by the outstanding quality of its research, and through the provision of innovative and comprehensive health care and other services.

These missions are carried out in partnership with the University of Iowa Hospitals and Clinics through University of Iowa Health Care in affiliation with the Iowa City Veterans Affairs Medical Center and other institutions and practitioners.

### Goals

Goal 1: Provide outstanding educational programs for students in the health professions and in the biomedical sciences in order that our graduates will have appropriate knowledge and skills for the needs of society.

Goal 2: Develop new knowledge about human biology and conduct health services research related to the prevention, diagnosis, and treatment of human disease.

Goal 3: Assure that innovative educational initiatives in education, research, and service are supported as a collegiate growth priority.

Goal 4: Strengthen the faculty, facilities, and management capacity of the College, its departments, and programs to achieve the collegiate mission.

Goal 5: Provide high-quality, cost-effective, and comprehensive health care to patients of the University of Iowa Hospitals and Clinics, the Iowa City Veterans Affairs Medical Center, and their affiliated community programs.

### Vision

The College of Medicine and the University of Iowa Hospitals and Clinics, working as partners to provide quality health care, share a vision for continued excellence centered upon four key concepts:

- Tradition
- Innovation
- Adaptation
- Collaboration

As a national leader, we are committed to progress through the next century, building on our traditional missions of patient care, education, and research; creating innovations in medical science and the delivery of health care; adapting our organization to succeed in a changing environment; and working collaboratively as partners with the people, the communities, and the organizations we serve.

Robert P. Kelch, M.D.  
Dean

Richard P. Nelson, M.D.  
Executive Dean

Roger D. Tracy  
Assistant Dean and Director, Statewide Clinical  
Education Programs

Kevin C. Dellsperger, M.D.  
Associate Dean for Veterans Affairs

Peter Densen, M.D.  
Associate Dean for Student Affairs and Curriculum

Gerard P. Clancy, M.D. and  
Marian Schwabbauer, Ph.D.  
Assistant Deans for Student Affairs and Curriculum

Dennis M. Domsic  
Associate Dean for Finance and Administration and  
Executive Director, Faculty Practice Plan

Susan R. Johnson, M.D.  
Associate Dean for Faculty Affairs

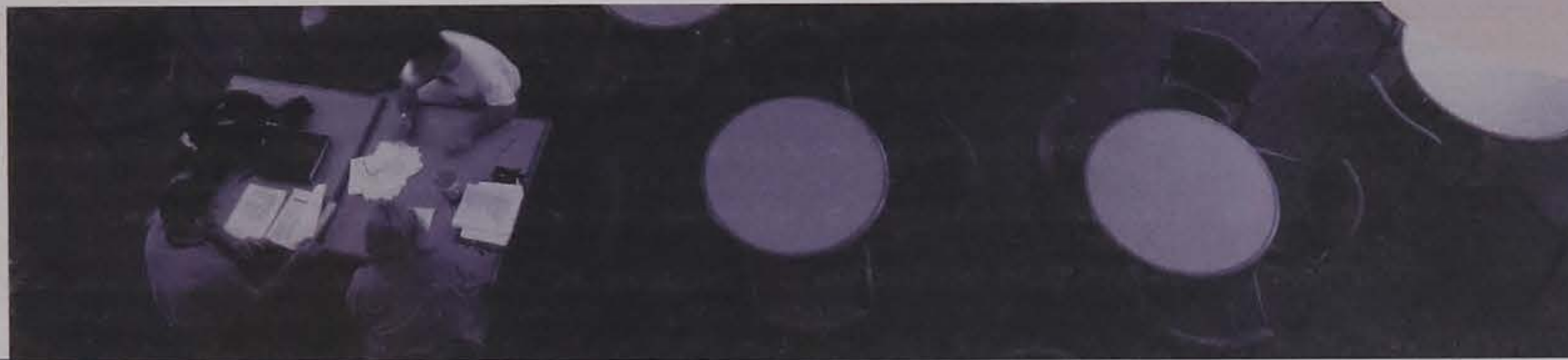
Madeline Hays, Ph.D.  
Associate Dean for Faculty Affairs

Michael C. Smith, M.D.  
Associate Dean for Clinical Affairs and Biomedical  
Communications

Alynn L. Park, Ph.D.  
Associate Dean for Research and Graduate Programs

Marc Wolf, Ph.D.  
Assistant Dean for Research and Graduate Programs





**The University of Iowa  
College of Medicine Administration  
2000-2001**

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Marc Wold, Ph.D.  
Assistant Dean for Research and Graduate Programs

## Year in Review

### Academic Year 1999-2000

#### A time for looking forward

Though purists debate whether the new millennium has begun — or whether that milestone remains a few months away — the symbolic meaning of the year 2000 cannot be denied. The global celebrations that greeted the new year, the predictions for tomorrow, reflections on yesterday, and even the Y2K bug that didn't bite all contributed to the sense that the future had arrived.

The hoopla may have faded, but hopes for what lies ahead remain. At the University of Iowa College of Medicine, the academic year that bridged two

centuries brought tremendous progress toward long-held goals in education, research, and service. This report summarizes some of our most important accomplishments.

#### Creating a home for 21<sup>st</sup> century medicine

Our last report detailed the start of dramatic changes that will reshape our health sciences campus. This year, the pace of change was made plain with the emergence of the Medical Education and Biomedical Research Facility (MEBRF), the centerpiece of the largest single building project in University history.

When completed next year, the MEBRF will offer laboratory space and a true home base for medical education. New labs will accommodate interdisciplinary programs, including the Roy J. Carver Molecular Science Research Center and the Roland and Rudy Holden Cancer Research Laboratories. The Sahai Family Medical Education Center will feature meeting and study spaces for the College's innovative student communities.

Progress on the building and the nearby parking garage and chilled water facility across Newton Road continued on schedule and on budget. Plans to

#### 1999-2000 timeline

*UI investigators use intestinal worms to treat inflammatory bowel disease.*

#### August 1999

*Researchers report potential advance immune system activation technique using bacterial DNA.*

*FDA commissioner Dr. Jane E. Henney delivers College of Medicine Lecture.*



*College of Medicine inaugurates communities concept for medical education and curriculum management.*

*\$8.1 million NIH grant funds UI-led study of hypothermia in brain aneurysm surgery.*

#### September 1999

*Department of Anesthesia debuts advanced patient simulator.*

*Board of Regents, State of Iowa, approves translational biomedicine education program.*

*Dr. Kevin Campbell, physiology and biophysics, elected to Institute of Medicine.*

*Iowa's first adult-adult partial liver transplant performed at UI.*

*Dr. Nancy Andreasen, psychiatry, is honored by Institute of Medicine for schizophrenia research and receives two multi-million dollar NIH grants.*

#### October 1999

*Physician Assistant Program celebrates 25<sup>th</sup> year.*



reroute Newton Road to create an integrated and pedestrian-friendly campus took shape, with construction slated to begin in fall 2000.

“Building B,” which is designed to extend from the new building, will add more than 100,000 square feet to the structure. The Board of Regents, State of Iowa, approved hiring an architect for the addition. A third component, “Building C,” eventually will extend the facility even further.

Our progress is not confined to new structures. Nearly every College of Medicine building — plus major portions of UI Hospitals and Clinics — saw improvements during the past year, from renovated laboratories to electronic classrooms to new office and meeting space.

#### Generating support for progress

These projects would be impossible without ongoing financial support from alumni, faculty, and friends of the College. Their contributions testify to the strength of our goals and our determination to keep The University of Iowa home to one of the nation’s leading academic medical centers.

The College of Medicine celebrated the close of the “Seeking Knowledge for Healing” campaign. The campaign, which set out to raise \$25 million, surpassed all expectations and wrapped up a full year ahead of schedule.

More than 60 percent of faculty members made contributions to the campaign, exceeding the \$2 million goal for faculty and staff. Altogether, the three-year effort raised more than \$30 million from more than 3,300 contributors.

The campaign was about much more than buildings. Its goals included a \$2 million endowment for student support and a \$5 million research endowment. It also sought \$3 million to enhance education by attracting, recognizing, and retaining top teachers.

*Investigators begin Iowa’s first HIV vaccine trial.*

**November 1999**

*Dr. François Abboud, internal medicine, receives highest honor from American Heart Association.*

*Medical student volunteers launch health program for area women.*

*\$6 million grant renewal funds study of rat genome.*



*Successful “Seeking Knowledge for Healing” campaign raises \$30.6 million.*

*Howard Hughes Medical Institute funds molecular medicine and neuroscience program.*

*College of Medicine establishes alumni society.*

**December 1999**

**January 2000**

*UI geneticist Dr. Jeffrey Murray, pediatrics, delivers UI Presidential Lecture.*

*Mutant gene connected to Ocular Enhanced S-cone Syndrome.*



## Year in Review

### Academic Year 1999-2000

#### Enhancing a global reputation

Phenomenal fund-raising totals coupled with more than \$158 million in external grants and contracts demonstrated in dollars that the UI College of Medicine remains an internationally recognized institution.

The University of Iowa appeared prominently in recent rankings of the nation's best academic health programs and clinical services. *U.S. News & World Report* magazine continued to place the College in the top 10 for rural medicine (#4), primary care (#6), and family medicine (#9). The College's Physician Assistant Program ranked second in the nation and

its Physical Therapy Program third.

*U.S. News'* 2000 listings of "America's Best Hospitals" put UI Health Care programs in otolaryngology (#2), ophthalmology (#6), orthopaedics (#9), and neurology/neurosurgery (#12) among the top 12 in their fields. Other highly ranked specialties were respiratory disorders, rheumatology, digestive diseases, cancer, geriatrics, kidney disorders, and urology.

The fiscal year 1999 saw an increase in funding from the National Institutes of Health that put the UI College of Medicine 10<sup>th</sup> among public medical schools. The \$91.9 million from the NIH in 1999, a 25 percent increase from 1998, placed the College

26<sup>th</sup> among all medical research institutions and second in the Big Ten.

The Cancer Center achieved two important milestones this year. In July, the UI was recognized as a National Cancer Institute-designated center. With this designation, the UI joins only 59 cancer centers in the U.S. that have achieved excellence in cancer care, research, and education.

The Cancer Center also achieved another sort of distinction with the receipt of a landmark \$25 million gift from the Holden family of Williamsburg, Iowa. The family's gift supports the Roland and Ruby Holden Cancer Research Laboratories in the

Otolaryngology—head and neck surgery facility opens.

February 2000

College of Medicine ranks 10<sup>th</sup> among public medical schools in National Institutes of Health awards.

Medical student Tracy Reittinger wins grant to initiate community service curriculum.



UI study finds that first-generation antihistamine may surpass alcohol in effects on driving.

Graduating medical students show strong interest in primary care on Match Day.

March 2000

UI investigators find potential method to enhance gene therapy delivery to brain.

Department of Ophthalmology celebrates 75 years of patient care and research.

College of Medicine honored for number of graduates pursuing family practice.

Iowa Medical Society honors Dean Kelch and CME head Lou Crist for contributions to the profession.

April 2000



new building, provides endowed funds for research, supports palliative care, and continues development of the Roland W. Holden Family Program for Experimental Cancer Therapeutics. In their honor, the center was named the Holden Cancer Center.

**Advancing research and education**

In a year marked by the announcement of the first draft human genome map, the College of Medicine helped lead the way toward new discoveries about human health, new treatments for disease, and new educational approaches.

1999-2000 saw grant renewals for several established research programs, including \$6 million for further study of the rat genome and \$5.7 million for research into the mechanisms of atherosclerosis. New studies, including \$8.1 million for a multi-center trial of hypothermia in brain surgery, also drew support.

Findings reported during the year ranged from identification of a prostate tumor suppressor to the discovery that some observational studies can prove as valid as randomized clinical trials. Investigators also reported links between parental alcoholism and specific behavioral problems in children, new genes involved in breast cancer metastasis, a potential new

method to induce vascular growth, techniques that may improve gene transfer, and much more.

A Teaching Scholars Program debuted in an effort to further develop faculty skills. The College also introduced its communities concept to students and faculty, assigning each medical student to one of four groups in order to build cross-class relationships, and provide additional small group and mentoring opportunities. The communities plan is designed with the Medical Education and Biomedical Research Facility in mind, as the new building will offer distinct areas for each group to meet, study, and interact with faculty mentors.

*Dr. Michael Welsb, internal medicine, elected to National Academy of Sciences.*

**May 2000**

*Iowa Governor Tom Vilsack visits to sign state tobacco settlement legislation.*

*UI acquires advanced technology to enhance brain surgery.*



*College of Medicine honors seven with Distinguished Alumni Awards.*

*Study finds evidence of multiple symptoms, but no "Gulf War syndrome."*

*UI faculty assist family medicine clinic in Moscow, Russia.*

**June 2000**



*UI Cancer Center becomes National Cancer Institute-designated center.*

*UI Health Care opens designated unit for older patients with emotional or behavioral problems.*

**July 2000**

*Eleven specialties at UI rank among the 50 best in their fields in U.S. News & World Report survey.*

*UI research shows that treating post-stroke depression can help restore mental abilities.*



## Medical Education At IOWA

Medicine is changing, and medical education at the UI College of Medicine is keeping pace. The 1990s – with their shifts in health care delivery, scientific advances, and expansion of information technology – quickened the pace of change with no sign of a slowdown. But accomplishments from the 1999-2000 academic year show how the College continues to develop innovative ways to meet tomorrow's needs.

### Communities

With the start of the academic year, the College introduced a new concept to medical education – communities that integrate curriculum, peer group support, student management, and social activities.

The communities plan – also known as CELLS, or Communities for Excellence, Learning, and Leadership for Society – took shape alongside plans for the forthcoming Medical Education and Biomedical Research Facility. “This is really the convergence of two dreams: centralized space for medical education, and curriculum and student management in a community concept,” said Dr. Marian Schwabbauer, assistant dean for student affairs and curriculum.

Medical schools at Harvard and Loyola universities organize students into similar groups, each with their own meeting and study areas like those under construction in the new MEBRF. But the scope of the UI program sets it apart. Though the program is an extension of curriculum goals, particularly the emphasis on small-group instruction, it is much more than academic.

A College of Medicine survey of 1999 graduates revealed that student support networks were small

and seldom crossed class lines. The average fourth-year student could name fewer than 10 M1s or M2s and fewer than 25 M3s. Forty percent of those surveyed said they did not know more than five fellow medical students well enough to call on them during a crisis.

Faculty and staff who developed the CELLS plan hope it will lead to stronger communication and relationships among students, particularly those from different classes. Last fall's assignment of all students to one of four communities marked the start of a two year transition program that will culminate with completion of the new building.

Incoming students gathered in their groups during orientation, allowing them to see a more informal side of faculty and to get comfortable in a smaller, less intimidating setting. Fellow community members from other classes assisted with orientation exercises.

While the communities are not intended to supplant individual class identities, they do seek to build new relationships through this sort of cross-class peer teaching.

Early student responses to the program were positive. Intramural sports programs organized through the communities drew hundreds of students. The Medical Student Council built on the concept by assigning class representatives by community.

For now, the emergence of CELLS will not dramatically alter the way students are taught or classes composed. Once the new building opens, elements of the curriculum will be integrated into the community structure, along with new leadership skills and service learning opportunities for students.



# CELLS will lead to stronger communication and relationships among students.

## Growth in student support

An Association of American Medical Colleges survey of 1999 graduates showed that most graduating UI medical students held positive views of recent curriculum changes. But it also revealed the strides the College has made in student support.

In the last five years, the College's Office of Student Affairs and Curriculum has added new advising, counseling, and curriculum programs. The office's staff also expanded, bringing in several new curriculum coordinators.

The AAMC survey found growing student satisfaction across a range of support criteria. For example, 92 percent of UI graduates surveyed were satisfied with their access to collegiate administration, up from 78 percent the previous year. Likewise, nearly 69 percent were satisfied with academic counseling programs, an increase of 15 percent from 1998.

Ratings increased for 10 of 20 support criteria, including items like student health insurance, library and computer resources, and study space. Results for the other criteria were unchanged.

Nationally, the College fared well in relation to other schools. About 65 percent of those surveyed were satisfied with tutorial help, compared to 55 percent at all other schools. Almost 77 percent were satisfied with the administration's awareness of student problems, topping the national figure of 66 percent.

"This is a constantly evolving office," said Dr. Peter Densen, associate dean for student affairs and curriculum. In many areas, the College has foreseen national trends. While the Liaison Committee on Medical Education was considering adopting guidelines on topics like advising and students' mental well-being, the UI had already taken steps to address these issues.

Two full-time counselors devoted to students' career and personal concerns have replaced one half-time position. Services including tutorial programs have expanded to become available to all students from the beginning of their medical education.

"Once we admit students, we want to do all we can to help them succeed," Dr. Densen said.

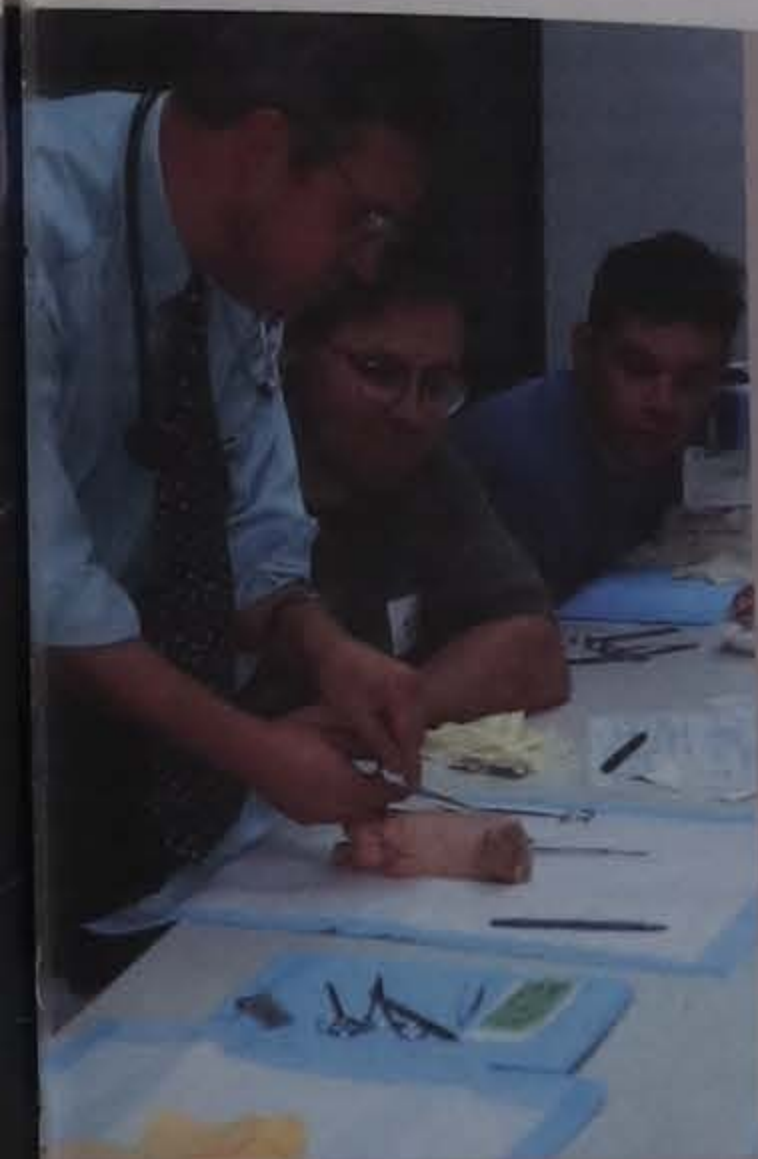
## Continuous improvement

Implementation of CELLS and growth in support services are two ways the College has kept administration and student management as vital as the curriculum itself. The 1999-2000 year also saw the establishment of a continuous review and improvement program designed to keep the curriculum fresh and relevant to a changing medical profession.

Other strategic goals achieved include a revitalized charge to the College's admissions committee and a more effective interview process. The College also boosted its commitment to student support through merit scholarships using donor gifts, offering 18 scholarships totaling \$160,000 to incoming students.

Faculty and staff keep looking for new ways to enhance education and assessment. New facilities that include clinical exam rooms will permit greater use of simulated patients. "The way we assess students is changing and becoming more sophisticated," said Dr. Kristi Ferguson, director of the College's Office of Consultation and Research in Medical Education. A committee of educators is considering how a structured clinical examination might be designed to let students document clinical proficiency at the end of the M3 year.

Faculty members also are looking at ways to improve education through technology, including software simulations and "virtual microscopes" that use digitized slides. At the same time, the College maintains its growing focus on the interpersonal dimensions of medicine. It is a key partner with the Arnold P. Gold Foundation, an organization dedicated to promoting humanism in medicine. The White Coat Ceremony that welcomes each new class to medical school has become a tradition for the College. As the academic year closed, the College also hosted its third Student Clinician Ceremony, an event marking the M2 class's transition to the clinical years.



Students learn suturing techniques in hands-on setting.

### Teaching scholars

To help faculty hone their education skills, the College last year introduced a Teaching Scholars Program that recruits faculty members who learn about educational strategies and return to their departments as resources for colleagues.

Twelve faculty members were selected for the three-year program administered by the Office of Consultation and Research in Medical Education. They began by attending monthly sessions that combine small-group discussions, written exercises, and skills practice and videotape review. Topics include technology in education, teaching portfolios, models of clinical teaching, giving effective feedback, and lecture and presentation skills.

Over the next two years, teaching scholars will design and conduct faculty development workshops or programs for individual departments. A new group will begin the program in fall 2001. Each teaching scholar receives a \$2,000 stipend for equipment or to fund travel to a national medical education meeting.

"I hope this program helps me improve on all aspects of my teaching, and also helps train me to become a better teaching advocate and mentor for other faculty members in my department," said participant Dr. Thomas Schmidt, physiology and biophysics. "The prospect of sharing my experiences and views on teaching with other educators, many of whom I've never met before, is exciting."

### Investments in education

From the collegiate level through individual departments, education spending was a high priority in 1999-2000, bringing technology and facilities that will enhance teaching and learning for years to come.

At the Hardin Library for the Health Sciences, the Information Commons expanded to provide a second versatile electronic classroom. The new facility, made

possible in part by financial support from the College of Medicine, is designed to be more flexible than the existing commons classroom, which has proven popular with instructors.

The Department of Anesthesia acquired a new high-tech teaching tool, a patient simulator that will help students, residents, and even practicing physicians develop their skills. It features a mannequin whose respiration, pulse, blood pressure, and pupils react to different anesthetic agents, plus software that permits the system to simulate just about any type of patient in any situation.

The simulator is housed in a mock operating room that lets users practice anesthesia under realistic conditions while video cameras record the action for later review. Medical students are among the system's first users. "We want them to get used to working with waking and sleeping patients before they meet their first real patients," said Dr. Ann Perino, anesthesia, director of the simulator program.

### Student achievements

Medical students at the College racked up an impressive array of honors during 1999-2000. As a group, students continued their outstanding record of performance on the United States Medical Licensing Examination. Over the past three years, 99 percent of our students have passed Step 1 of the USMLE on their first attempt. Among first-time takers of Step 2, a remarkable 99.6 percent passed.

Third-year student Tracy Reittinger received a grant from the American Medical Student Association to develop a community service curriculum at the College. The grant supports an elective for new M1s that combines lectures, small group sessions, and work with local service agencies, emphasizing the specific health needs of different populations and health issues associated with problems like domestic violence and substance abuse. Reittinger also helped develop a health program for minority women that

was honored in spring 2000 by the federal Department of Health and Human Services.

Kjell Benson, also a third-year student, took part in the College's Medical Student Research Program the summer before he started medical school. Little did he know that the study he completed with Dr. Arthur Hartz, family medicine, would be published in the *New England Journal of Medicine*. His research found that many observational studies are as valid as randomized controlled trials.

Many other medical students also received honors, a few of them listed here. Karl Kirby received first prize in the humanism in medicine essay contest sponsored by the Arnold P. Gold Foundation. Daryl Scott, a student in the Medical Scientist Training Program, received the UI's D.C. Spriestersbach Dissertation Prize for his doctoral research. Two fourth-year students, Earl Maes and Susan Nicholas, were among the 35 selected from a national pool to receive Bristol-Myers Squibb Academic Medicine Fellowships. The fellowships go to students from minority groups underrepresented in medicine to support research conducted with faculty mentors.



Lectures integrate basic and clinical science material.

#### Match results

Last March, 64 percent of the College's Class of 2000 matched with their first choice of residency programs (compared to 62 percent nationally). Eighty-six percent received one of their top three choices. The class showed strong interest in primary care fields, though the diverse match results indicate that UI students were well-received across the spectrum of medical specialties.

Fifty-five percent of the class (87 students) entered primary care fields, compared to 49 percent nationally. Thirty-two students matched with family medicine residencies, 28 with internal medicine, 22 with pediatrics, and five with obstetrics and gynecology. Among non-primary care specialties, general surgery drew 10 students, emergency medicine seven, and anesthesiology six.

The class was the second to complete the College's revised curriculum in its entirety. Dr. Peter Densen, associate dean, reported that data from the 1999 graduating class indicated that students are matching with higher caliber residency programs. Residency directors report UI graduates are better prepared for graduate training.

#### Associated programs

Students and programs in the College's Division of Associated Medical Sciences also achieved national recognition. The Physician Assistant Program celebrated its 25<sup>th</sup> year in 1999, and was ranked second in the nation by *U.S. News & World Report* magazine. Its students continued a record of outstanding performance on the national certifying examination, putting the program in the 96<sup>th</sup> percentile among those with five or more first-time test takers.

Likewise, the Physical Therapy Program was ranked third nationally by *U.S. News*. Ninety-nine percent of its students passed their certifying exam.

Also last year, the Board of Regents, State of Iowa, approved a bachelor of science program in radiation science, adding another option for students interested in the allied health sciences. The regents also approved a first-of-its-kind graduate program in translational biomedicine that aims to enhance the training of physician-scientists.



The Information Commons in the Hardin Library.

**Upgraded technology and facilities will enhance teaching and learning.**

## Research At IOWA

During the 1999-2000 academic year, UI researchers discovered more pieces of the complex human puzzle, bringing us closer to cures and treatments for such deadly diseases as AIDS, cancer, Alzheimer's disease, and cystic fibrosis, to name just a few.

The College's research excellence is reflected in the more than 20 UI centers funded by program project and core center grants and awards for specialized centers of research. The ongoing commitment of faculty and staff capitalizes on these NIH awards for innovative research year after year.

The Iowa Cochlear Implant Clinical Research Center, the world's largest center for cochlear implant research, has been funded since 1985. Over the last 15 years, the center's focus has expanded from testing cochlear implants to developing and evaluating new technology. As the work of the center expanded, so has the team, which now includes basic and clinical scientists, musicologists, psychologists, an electrophysiologist, otolaryngologists, biophysicists, and a psychoacoustician.

The Diabetes and Endocrinology Research Center directed by Dr. Robert Bar, internal medicine, involves an interdisciplinary team of investigators who have been collaborating for over 20 years to unravel the cellular mysteries of diabetes. This distinctive College of Medicine and Iowa City Veterans Affairs Medical Center program has been continuously funded by the NIH since 1979.

The Iowa Specialized Center of Research in Pediatric Cardiovascular Disease is a newer center, originally funded in 1990 and renewed for another five years in 1998. One of only six specialized centers of research in the United States that focuses on congenital heart

# During FY99, the College ranked 10th among public medical schools in NIH support.

disease, it involves faculty from the colleges of Medicine and Public Health, as well as the Department of Biological Sciences in the College of Liberal Arts.

Another way to gauge the level of respect and expertise the College's researchers enjoy is to look at the number of faculty who work on medical and scientific journals. More than 60 College of Medicine faculty and staff serve as editors or on the editorial boards of journals, with almost every department represented. Some of the largest and most influential journals in their respective fields are based at the UI, including *Arteriosclerosis, Thrombosis and Vascular Biology*, edited by Dr. Donald Heistad, internal medicine, with associate editors Drs. Steven Lentz and William Haynes, internal medicine, and Art Spector, biochemistry; *Anesthesiology*, edited by Dr. Michael Todd, anesthesia; and *American Journal of Psychiatry*, edited by Dr. Nancy Andreasen, psychiatry.

The editorial board of the journal *Obstetrics and Gynecology*, published by the American College of Obstetricians and Gynecologists, recognized in 2000 the UI Department of Obstetrics and Gynecology for research excellence. The department was awarded a Department Research Initiative Award based on outstanding manuscripts by two teams of UI investigators published in the journal. The UI was the only institution to have two manuscripts recognized.

### Grants

The dedication and innovation of the College's faculty were reflected by the fact that during fiscal year 1999, the College ranked 10th among public medical schools in NIH support, and second among the Big Ten.

In the University fiscal year ending June 30, 2000, the faculty involved in the research enterprise of the colleges of Medicine and Public Health received grants totaling more than \$157 million.

An \$8.1 million grant from the NIH funded a multi-site trial testing the use of hypothermia to improve neurologic outcomes in patients needing surgery for subarachnoid hemorrhage. The trial is led by Dr. Michael Todd, anesthesia.

A five-year, \$7.1 million bioengineering research grant from the NIH to researchers in the colleges of Medicine and Engineering supports research related to lung disease imaging and model-based analysis. The award was one of the first grants that the NIH awarded as part of its new Biomedical Engineering Partnership Program.

A \$6 million competitive grant renewal from the National Heart, Lung and Blood Institute, along with the National Eye Institute, was awarded to faculty

members in the colleges of Medicine and Engineering to continue identifying genes on the rat genome. The findings should help scientists understand the human genome and aid in identifying genes involved in human diseases.

The National Heart, Lung and Blood Institute awarded the College a five-year, \$5.7 million program project grant that will allow researchers at the UI Cardiovascular Center to study mechanisms that lead to atherosclerosis. Dr. Donald D. Heistad, internal medicine, is the program director.

The Department of Internal Medicine received a five-year, \$4.7 million grant to investigate the innate immune response to microbial infection. Dr. William M. Nauseef, internal medicine, is the principal investigator for the study, which will focus on a specific form of meningitis.

#### Genetics and Basic Science

A UI research team, led by Dr. Val Sheffield, pediatrics, identified a gene that, when mutated, causes a hereditary form of blindness known as Enhanced S-cone Syndrome. Although the type of blindness is rare, the researchers hope that the methods and models they developed to study the condition will help in investigations of other forms of blindness.

Researchers led by Dr. Michael Welsh, internal medicine, and physiology and biophysics, found that altering a cell's surface with a novel sugar improves the binding process between vectors and cells. This finding will improve the ability to perform gene transfer.

Dr. Beverly Davidson, internal medicine, neurology, and physiology and biophysics, and investigators from the NIH found that adeno-associated virus vectors can reach many brain sites following a single injection. The data suggest that these vectors could be used to deliver correct copies of genes to cells throughout the central nervous system without the need for multiple injections, which might have implications for the treatment of a range of neurodegenerative diseases.

Dr. John Engelhardt, anatomy and cell biology, and internal medicine, discovered why adeno-associated virus is incapable of producing its therapeutic protein after it enters the cells of the lung. A cell tags the virus with a molecule called ubiquitin, which marks the virus for removal. Interfering with this tag greatly increases the ability of the virus to get to the nucleus and produce its protein, hence allowing for successful therapy. Drs. Dongsheng Duan and Ziyang Yan, both in anatomy and cell biology and

working with Engelhardt, found novel strategies to expand the size of the genes that can be delivered with the adeno-associated virus vector system.

A complex domino effect that ultimately leads to a type of heart disease known as cardiomyopathy, which exacerbates limb-girdle muscular dystrophy, was outlined for the first time by Dr. Kevin Campbell, physiology and biophysics, and neurology. Campbell showed that animals lacking a type of muscle cell protein known as sarcoglycan experienced severe

muscular dystrophy with large areas of cardiac cell death.

Dr. William G. Haynes, internal medicine, found that homocysteine can rapidly affect small blood vessels, which likely contributes to high blood pressure and may promote atherosclerosis. The study also provided evidence that vitamin C may prevent homocysteine from damaging both small and large blood vessels.

UI researchers, led by Dr. Arthur M. Krieg, internal medicine, found that it

Student uses a microscope to make injections into tiny zebra fish eggs.

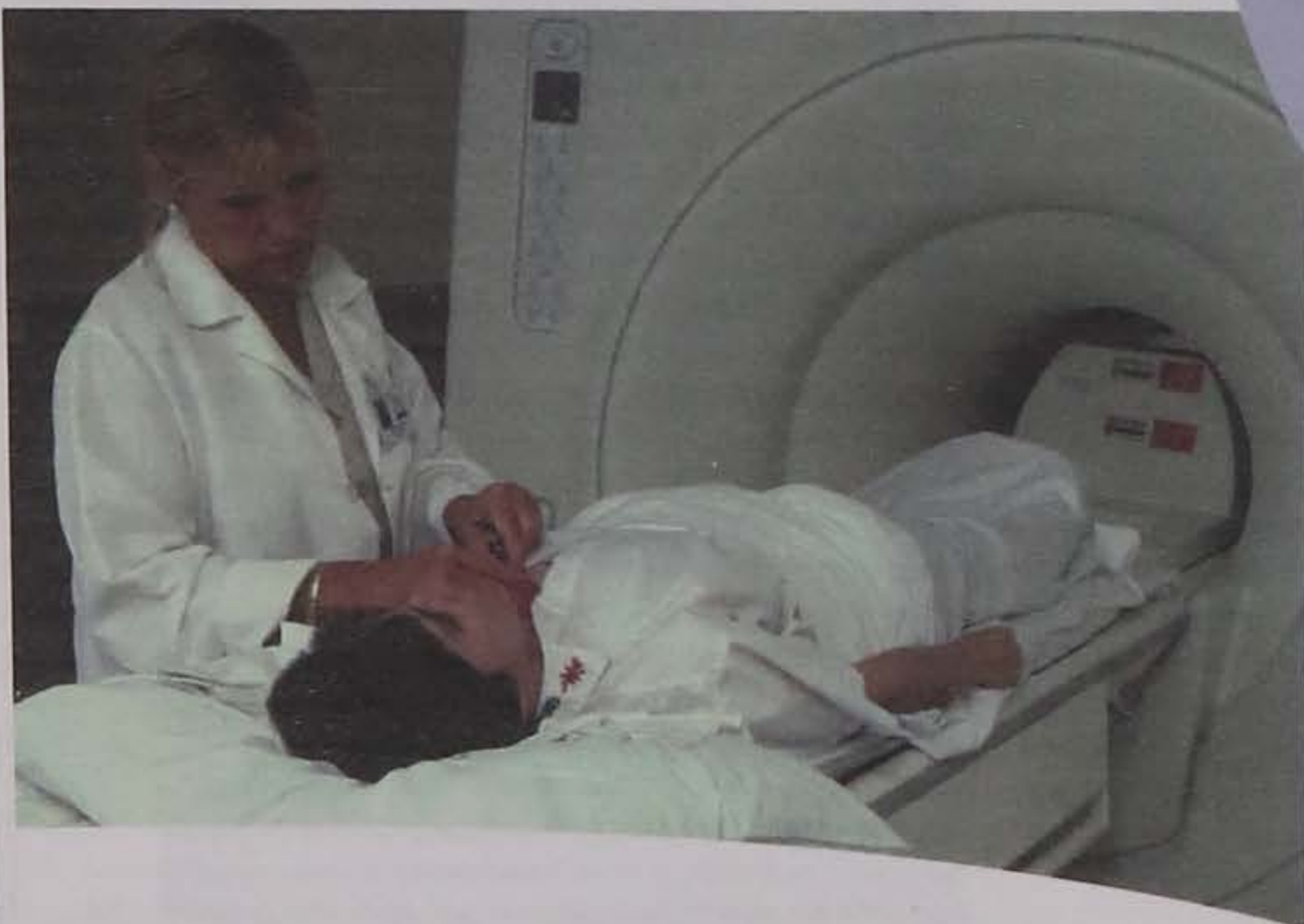


## Service At IOWA

Patient care is central to the College's tripartite mission, but the College's record of service also includes activities that advance public health, the medical profession, and relations between the College and the larger community. Faculty members who staff clinics, perform surgery, and consult with other physicians also lend their talents to professional organizations, the College's continuing education programs, and other outreach efforts.

Taken together, service activities by the College and its faculty benefit an extraordinary range of medical disciplines and external constituencies. Through these efforts, the College exerts a profound influence not just on health care in Iowa, but on the statewide and national medical profession as well.

Patient receiving a Magnetic Resonance Imaging scan.



### Rankings & recognition

University of Iowa Health Care is ranked among the best. UI Hospitals and Clinics was ranked overall as one of "America's Best Hospitals," and 11 of its specialties ranked among the nation's top 50 in the annual survey published by *U.S. News & World Report* magazine.

Here are the 11 specialty services and their rankings:

Otolaryngology	2
Ophthalmology	6
Orthopaedics	9
Neurology/neurosurgery	12
Respiratory disorders	25
Rheumatology	30
Digestive diseases	33
Cancer	38
Geriatrics	46
Kidney disorders	47
Urology	49

### Patient care

In February 2000, the Otolaryngology-Head and Neck Surgery Institute opened its new 40,000-square-foot facility on the second level of UI Hospitals and Clinics' Pomerantz Family Pavilion. The institute boasts state-of-the-art technology for recording, showing, and archiving medical images, as well as separate reception and examination areas for different groups of patients.

The UI Rheumatology Clinic relocated to the John Pappajohn Pavilion of UI Hospitals and Clinics. The new location is adjacent both to the Orthopaedic Surgery Clinic and the Rehabilitation Therapies facility, providing better integration of services for patients receiving rheumatology care.

A powerful new device now in use at UI Hospitals and Clinics gives patients with advanced head and neck cancer a treatment option when conventional radiation therapy is no longer possible. The Peacock System™ — the first in Iowa and one of just a few in the Midwest — delivers thin beams of precisely calibrated radiation that concentrate the dose on a tumor's exact location with minimal effect on surrounding tissue.

An old treatment for children with clubfoot got new life with the opening of a clinic specializing in the technique at the Children's Hospital of Iowa. Pioneered 50 years ago by Dr. Ignacio Ponseti, orthopaedic surgery, the technique produces better results through the use of gentle manual manipulation and plaster casts.

UI physicians in obstetrics and gynecology now offer a less invasive screening that detects birth defects

# Patient care is central to the College's tripartite mission.

with 60 to 80 percent accuracy. The procedure utilizes ultrasound technology to measure skin thickness at the back of the neck of the fetus, and can detect a range of possible birth defects as early as 11 to 14 weeks into a pregnancy. The screening poses less risk of miscarriage than other tests.

The UI Cancer Center established a familial cancer consultation service that provides genetic counseling and other services for individuals who feel they might be at risk for cancer because of their family history. The service develops cancer risk assessments based on detailed analyses of patients' family trees and medical records, and identifies other family members who might benefit from increased cancer surveillance.

The federal Food and Drug Administration has approved a new treatment for urinary incontinence tested at the UI. Developed by Urourge, a company incubated at the UI's Technology Innovation Center, the Percutaneous Stoller Afferent Nerve Stimulation System™ passes an electrical current from the tibial nerve to the lower spine, relieving some forms of urinary incontinence with up to 80 percent effectiveness.

An advanced stereotactic radiosurgery system now allows some patients with

brain tumors and intracranial lesions to be treated on an outpatient basis. Medtronic's Precision 2000 system™ uses a linear accelerator to direct a precise beam of high-dose radiation to the tumor. Usually, the patient is able to return to normal activities the next day.

UI researchers directed by Dr. Jack Stapleton, internal medicine, have begun the first human immunodeficiency virus (HIV) vaccine trial in Iowa. The UI is one of 11 institutions nationwide participating in the study as part of the National Institutes of Health-funded AIDS Clinical Trial Groups. The study will help determine whether a vaccine might modify the course of HIV in people who are already infected.

Increasing demand for laser surgery to correct vision problems, coupled with FDA approval of laser assisted in-situ keratomileusis (LASIK™) surgery for more procedures, have prompted the Department of Ophthalmology and Visual Sciences to expand its capacity to perform the high-tech surgical procedure. More than 90 percent of patients improve to 20/25 vision or better in at least one eye, eliminating the need for corrective lenses.

A study published in the *New England Journal of Medicine* identified UI

Hospitals and Clinics as having one of the country's highest liver transplant success rates. The study showed that hospitals performing a higher number of transplants had higher one-year survival rates. Even among high-volume centers, UI Hospitals and Clinics stood out with a survival rate of 89 percent, four percent above the average.

#### Access and outreach

UI Health Care formed a partnership with AmericasDoctor.com, one of the Internet's most comprehensive online health information services. UI Health Care is the exclusive sponsor of AmericasDoctor.com in an area that covers almost all of Iowa and parts of western Illinois. Online lectures and other live events give consumers access to the expertise of UI faculty physicians, and a direct link to AmericasDoctor.com from the UI Health Care Web site provides access to its medical library, medical news service, and other resources.

Patients at Children's Hospital of Iowa have access to a private, interactive computer network designed especially for them. Starbright World™ allows children with serious and chronic health conditions to interact with a community of peers, helping each

other cope with the day-to-day realities of life with illness.

Patients with cancer can find answers and help through a new online support group sponsored by the Holden Cancer Center. Fellow patients and cancer specialists offer advice, answers, and support to participants.

A new quarterly publication tailored to the needs of physicians in Iowa and neighboring states provides them with up-to-date information on clinical procedures, research, and diagnosis. UI Health Care's *Currents* features articles by faculty physicians along with pertinent illustrations.

In response to patient requests, UI Behavioral Health established a satellite outpatient clinic in downtown Iowa City. Advantages of the clinic include greater privacy and convenience. Located in an office building on Iowa City's pedestrian mall, the clinic offers a full complement of interdisciplinary services, including psychiatrists, social workers, psychologists, nurses, and chemical dependency counselors.

UI Family Care Centers throughout Eastern and Central Iowa continue to expand services at clinics around the state. In addition, orthopaedic services provided by a UI specialist became available to residents in Marengo, Belle



Plaine, and Toledo in the past year, and cardiac services provided by a UI Heart Care specialist became available in Toledo. Fifteen clinics offer family medicine, women's health, occupational medicine, obstetrical care, wellness, and other primary health care services in 14 Iowa communities. At least one additional clinic, in Iowa City, will open in the coming year.

#### Leadership in the profession

Faculty contribute time and talent to professional societies, scientific institutes, specialty boards, and other organizations. Faculty assumed leadership positions in a variety of national organizations:

*Barrie Anderson, obstetrics and gynecology, secretary-treasurer elect, Society of Pelvic Surgeons*

*Nancy C. Andreasen, psychiatry, reelected, Institute of Medicine Council*

*Christopher J. Arpey, dermatology, board of directors, Association of Academic Dermatologic Surgeons*

*Douglas M. Behrendt, surgery, secretary treasurer, committee on continuing education, American Association of Thoracic Surgeons*

*Donald Black, psychiatry, president, American Academy of Clinical Psychiatrists*

*David L. Brown, anesthesia, president, American Society of Regional Anesthesia and Pain Medicine*

*Richard E. Buller, obstetrics and gynecology, president, Western Association of Gynecologic Oncologists*

*Joseph A. Buckwalter, orthopaedic surgery, president, American Orthopaedic Association*

*Kevin C. Dellsperger, internal medicine, president, American Heart Association's Heartland Affiliate executive committee*

*Gerald F. DiBona, internal medicine, and physiology and biophysics,*

*incoming president, American Physiological Society's Experimental Biology section*

*Claibourne I. Dungy, pediatrics, board of directors, American Board of Pediatrics*

*John F. Fieselmann, internal medicine, governor, American College of Physicians-American Society of Internal Medicine's Iowa chapter*

*Kenneth A. Follett, surgery, board of directors, American Academy of Pain Medicine.*

*Mary J.R. Gilchrist, director, University of Iowa Hygienic Laboratory, president-elect, Association of Public Health Laboratories*

*Mary J.C. Hendrix, anatomy and cell biology, president, Federation of American Societies for Experimental Biology*

*David H. Hussey, radiology, secretary-treasurer, board of directors, Radiological Society of North America; board of trustees, American Board of Radiology*

*Peter R. Jochimsen, surgery, board of directors, National Surgical Adjuvant Breast and Bowel Project*

*Cynda A. Johnson, family medicine, president, board of directors, American Board of Family Practice*

*Robert P. Kelch, dean, executive council, Association of American Medical Colleges*

*Arthur A. Spector, biochemistry and internal medicine, president, International Society for the Study of Fatty Acids and Lipids*

*Robert J. Tomanek, anatomy and cell biology, secretary-treasurer, American Physiological Society's Cardiovascular Section*

*Thomas A. Weingeist, ophthalmology and visual sciences, president elect, American Academy of Ophthalmology*

*Duane C. Whitaker, dermatology, board of directors, American Society for Dermatologic Surgery*



Patients being seen at one of University of Iowa Health Care's outreach clinics.

#### Collaboration with Iowa Medical Society

The College helped the Iowa Medical Society celebrate its 150th anniversary by co-sponsoring Mini-Medical Schools around the state. The sessions were modeled after the popular Mini-Medical School series held on the UI campus.

Sesquicentennial celebrations were just one sign of the close relationship between the College and the society. Because all physicians share many of the same challenges, such as managed care, changes in reimbursement, and the regulation of medical practice, the two groups in recent years have stepped up efforts to communicate and define their mutual interests.

Additionally, UI faculty physicians have held important leadership positions in the society in the past year. They included Dr. Siroos S. Shirazi, surgery, who served as president of the society in 1999-2000, and Drs. Charles M. Helms, internal medicine, Jamal J. Hoballah, surgery, and Donald Young, radiology, who served on the society's board of directors.

#### Continuing medical education

The College of Medicine, through its Continuing Medical Education (CME) Division, sponsors or jointly sponsors more than 130 continuing education activities each year, offering approximately 2,000 hours of AMA category 1 credit. Some 3,400 physicians attend, along with nurses, allied health professionals, and others. Nearly 1,800 Iowa physicians participate in at least one of these CME offerings.

Programs range from short seminars to intensive courses teaching advanced clinical skills, as well as online CME opportunities. The division also maintains a speakers directory listing more than 200 UI faculty members who are willing to devote a portion of their time to outreach activities.

The College has been awarded reaccreditation as a national sponsor of CME through mid-2004 by the Accreditation Council for Continuing Medical Education (ACCME). The College was congratulated on being one of the first organizations to earn this honor under the ACCME's newly adopted system of evaluation and accreditation.



Dr. Ignacio Ponseti examines a baby who had been born with clubfoot.

**Nearly 1,800 Iowa physicians participate in continuing medical education offerings.**

## Administration At IOWA

This has been a significant year in the life of the University of Iowa College of Medicine. University of Iowa Health Care, our partnership with University of Iowa Hospitals and Clinics, has continued its successes in the areas of patient care, medical education, and research programs and services.

Essential to our balanced commitment in the areas of research, education, and patient care is the newly established College of Public Health. Launched last year and dedicated on Oct. 21, 1999, this is the UI's first new college in 50 years. The College of Public Health is an integral part of UI Health Care and joins the College of Medicine in a joint research enterprise.

### Construction update

Work continues on the new Medical Education and Biomedical Research Facility. The 214,000-square-foot facility is scheduled to open by the end of 2001. It will be the central building for medical education at the UI and will also house state-of-the-art laboratories. The MEBRF will be home to the Roy J. Carver Molecular Science Research Center, the Roland and Ruby Holden Cancer Research Laboratories, and the Sahai Medical Education Center.

A new 800-space parking facility directly across Newton Road from the MEBRF opened in late summer. Newton Road itself will be relocated behind the Medical Education Building and Hardin Health Sciences Library. Completion of the relocation is scheduled for spring 2001. Once Newton Road is relocated, the interior portion of the health sciences campus will be redesigned as a pedestrian and bicycle campus.

The Board of Regents, State of Iowa, has approved the College's request to proceed with planning for the second phase of the capital project.

The centerpiece of the project is a facility currently known as "Building B," a structure in excess of 110,000 square feet that will house laboratory and office space. Plans call for construction bids to be let for the building in the fall of 2001.

### Service to the profession

The College received a Silver Achievement Award from the American Academy of Family Physicians for its efforts in producing graduates who enter family practice. For the three years 1997, 1998, and 1999, the College has an average of 26.7 percent of medical students choosing to enter an accredited family practice residency.

After 27 years of helping supply family doctors to Iowa communities, the College of Medicine sees "victory" within reach. For the first 20 years of the family physician training effort, Iowa was barely keeping pace with its loss of general practitioners due to retirement, relocation or death. The state was "breaking even" despite having record numbers of new family physicians entering practice each year. During this period, the state retained more than 65 percent of its family practice graduates. For the past several years, the state has recorded substantial net gains in its supply of family doctors.

The UI Clinical Staff Office provides a service that checks the credentials of medical professionals and confirms they are qualified to seek and/or maintain privileges or participate with managed care plans. The UI CSO is a credentialing verification organiza-



The Bowen Science Building, home to the College's five basic science departments.

tion that has been certified by the National Committee for Quality Assurance for 10 out of 10 verification services.

#### Biomedical communications

The Virtual Hospital, the College's well-known digital health sciences library, was created in 1992 to help meet the information needs of health care providers and patients. In 1999, 6.9 million visitors read nearly 28.4 million pages of information, generating nearly 63 million qualified hits. The University of Iowa Health Care site, [www.uihealthcare.com](http://www.uihealthcare.com) serves as a portal for the Virtual Hospital, the Virtual Children's Hospital, and the Virtual Naval Hospital. This site, which was launched July 1, 1999, has seen its electronic visits grow from 4,500 a month to over 23,000 in June 2000. The appointment of an editor, Gregory Johnson, will help develop additional publishing avenues.

The College continued its leadership role in the area of telemedicine. The Telemedicine Resource Center is reorganizing video conferencing on the health sciences campus. Efforts to offer digital video content ramp up the ability to offer video throughout the College. One of the first efforts was a

video version of the Dean's 2000 State of the College speech.

The National Library for the Study of Rural Telemedicine, [www.telemed.medicine.uiowa.edu](http://www.telemed.medicine.uiowa.edu), funded by the National Library of Medicine, recently completed its second contract. Two projects in the most recent contract looked at the impact of telemedicine on the delivery of psychiatric services to rural areas and transmission and interpretation of pediatric echocardiograms from remote sites.

#### Leadership development

The Office of the Associate Dean for Clinical Affairs and Biomedical Communications now offers the Institutional Leadership Development Program for the leadership of UI Health Care. The program is a joint effort of UI Hospitals and Clinics and the College of Medicine. The program offers participants an opportunity to better understand the business, clinical, and political environments both internal and external to the system, and to become better equipped with the tools required to analyze, plan, and implement solutions to the current challenges in health care.

#### Programs for faculty

The Office of Faculty Affairs initiated a pilot program to help faculty members improve their writing and public speaking skills. A local consultant is available to edit manuscripts, grant applications and other materials, to coach individuals in public speaking, and to give presentations on writing and speaking to departments and divisions. These services are available at no cost to departments.

## This has been a significant year in the life of the UI College of Medicine.

A University-wide review of the clinical track for faculty took place over the past year. The clinical track allows colleges to hire non-tenure track faculty whose primary responsibilities involve service and teaching, but who are not required to do research. One outcome of the review is that colleges may increase the proportion of clinical track faculty appointments, and the College of Medicine plans to formulate a proposal to do so

that will be presented to faculty in the coming year. The College has 165 clinical track faculty out of a total of 744 faculty.

#### Celebrating our alumni

The College lauded seven alumni for outstanding service and achievements with Distinguished Alumni Awards. Drs. James Clifton (Res.'51), internal medicine emeritus, George Counts (M.D.'65), Helen Hislop (P.T.'51,

M.S.'53, Ph.D.'60), and John Opitz (B.A.'56, M.D.'59, Res.'61) each received the College's Award for Achievement. Drs. Richard D. Cameron (B.A.'61, M.D.'65), Johan Hultin (M.S.'51, M.D.'53), and John Sunderbruch (M.D.'34), received the Award for Service.

Our 17,000-plus medical alumni are our greatest ambassadors, advocates, and educational partners. The new

Medicine Alumni Society seeks to enhance alumni involvement in the College. The Society supports a variety of outreach programs, publications, and volunteer and service opportunities within the College and its affiliated programs. One communication vehicle is a Web site called Medicine Alumni @ Iowa, which offers a searchable online e-mail directory, alumni e-news and other information. The Web site address is: [www.medicine.uiowa.edu/alumni](http://www.medicine.uiowa.edu/alumni)

Other opportunities for alumni involvement include the Help Our Students Travel (HOST) program, where fourth-year students traveling for residency interviews are matched with alumni in the area. In the first year of the program, alumni in 28 states hosted 75 student visits.

#### Collegiate finances

Faculty Practice Plan revenues exhibited solid growth this past year. At a time when physician services are under-valued, this is excellent news. Surgical procedures increased by four percent, and outpatient visits increased between four and six percent, while inpatient census stayed about the same. All told, revenues increased eight percent.

In many ways, the College's finances reflect the nation's health care economy. After an increase in NIH funding the previous year, the research funding remains stable this year.

The improved results are due in great part to the hard work of the College faculty, which has taken on added burdens and responsibilities under UI Health Care. The College is strengthened by its agreements with UI Hospitals and Clinics, which has contributed eight percent of the salary of faculty in clinical departments.

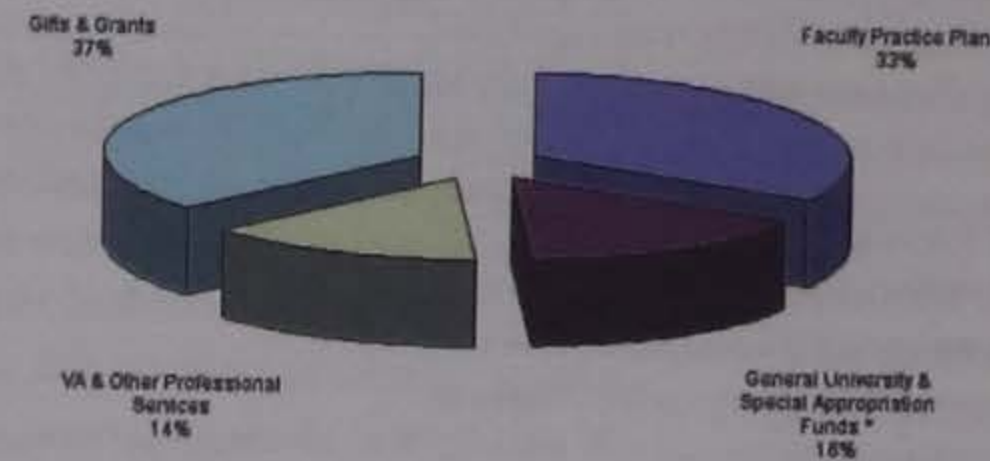
With the competitive marketplace and constraints upon teaching and research, it is important to acknowledge the importance of endowments, particularly in the support of endowed chairs. This support of teaching and research provides a strong foundation for the future. Philanthropy is not available for use in the overall operating budget. However, it is important to the development of reserves in support of the College's research and education missions.

#### Supporting the College

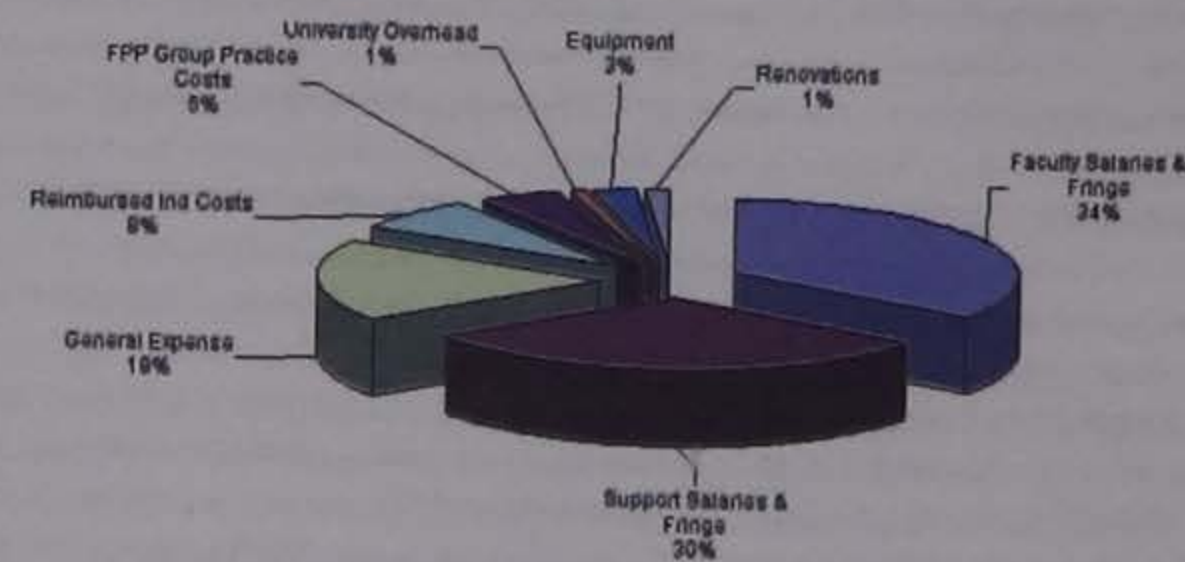
The "Seeking Knowledge for Healing" campaign gathered great momentum on the UI campus and beyond. The goal over the past three years was to raise \$25 million to help construct the Medical Education and Biomedical Research Facility and support endowments for medical scholarships, professorships, and research.

At a campaign victory celebration in January 2000, College of Medicine administrators and UI Foundation staff announced that gifts and pledges exceeding \$30 million had been received from more than 3,300 alumni, faculty and staff, businesses, and other friends of the College.

College of Medicine  
FY00 Funding Sources  
\$341.4 million



College of Medicine  
FY00 Expenditures  
\$341.4 million





(L) computer rendering of an auditorium in the new building

(R) Computer rendering of Medical Education and Biomedical Research Facility

“We have much to celebrate,” said UI President Mary Sue Coleman. “The outcome of the ‘Seeking Knowledge for Healing’ campaign will be felt far beyond the walls of the new facility and The University of Iowa’s health sciences campus. The results of this effort will help build a foundation of knowledge that will benefit all Iowans for generations to come.”

During the victory celebration, Coleman said she was very pleased that the ambitious fund-raising campaign was completed 18 months earlier than planned and that construction of the new 214,000-square-foot facility was on schedule. The sweeping \$125 million health sciences campus renovation is being funded through a combination of state support, private gifts, revenue bonds, and other resources.

The national effort was directed by a volunteer committee of UI alumni, friends, and business leaders. Dr. Dennis L. Boatman, urology, of Cedar Rapids and David A. Hoak of Des Moines were campaign co-chairs and played key roles in outreach to alumni and friends. Boatman, who earned M.D., M.S., and B.A. degrees from the UI, and Hoak, a UI accounting graduate and CEO of Wheeler Consolidated, Inc., made generous personal contributions. Dan Gable of Iowa City, retired Hawkeye wrestling coach, served as honorary campaign co-chair.

The campaign had several specific goals:

- Medical Education and Biomedical Research Facility — a true home for the UI College of Medicine — con-

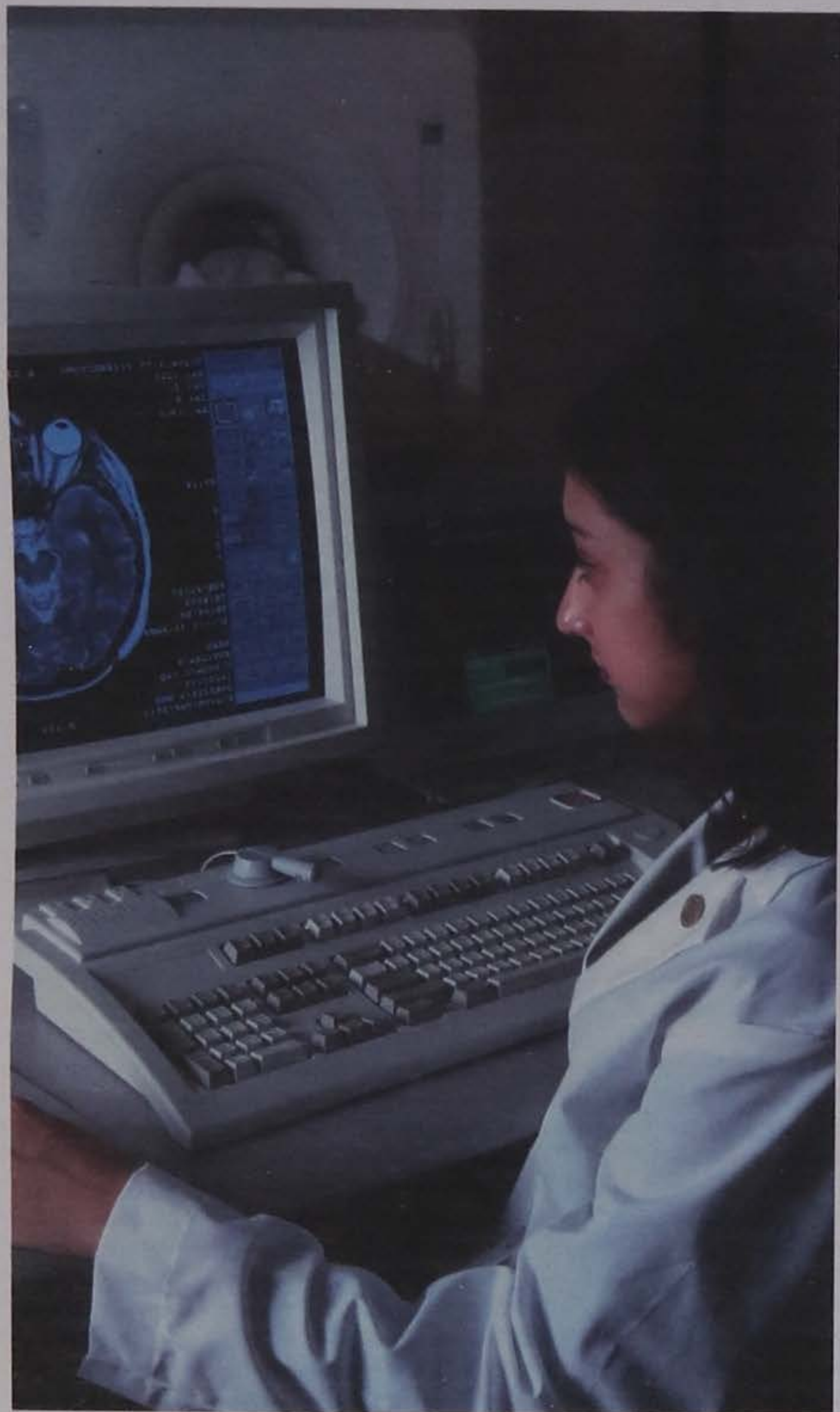
structed on part of the health sciences campus formerly occupied by the 80-year-old Steindler Building. The new facility will feature a clinical-skills training center, a computer learning center, small-group learning facilities, study spaces, and a large auditorium. Holden Cancer Center research programs will be housed in a wing of the new facility.

- Medical/cancer research endowments will support the efforts of faculty investigators working in the new building in areas such as cancer biology, the genetic mechanisms of disease, and molecular medicine.
- Medical education endowments will help assure the continuing excellence of the College’s new curriculum by attracting, retaining, and recognizing outstanding teachers.

- Medical student scholarship endowments will provide resources to address students’ financial needs through grants, loans, and other forms of assistance, which will help the College continue to attract the best students.

Medicine alumni and friends generously supported the “Seeking Knowledge for Healing” campaign and the College of Medicine:

A \$6 million commitment from the **Roy J. Carver Charitable Trust** of Muscatine, Iowa, will help fund construction of the new facility (\$3 million) and create endowments to support the research of three outstanding faculty scientists (\$3 million). To recognize the Carver Trust’s long-term generosity, the top two floors of the



Viewing image on computer.

new facility will be named the Roy J. Carver Molecular Science Research Center.

The Sahai family of Webster City, Iowa, made a campaign gift of \$3.75 million (\$3.25 million to support construction of the new building and \$550,000 to endow a professorship in the College of Medicine). Their gift will name the Medical Education Center, which includes the atrium, auditorium, and a large seminar room. Several members of the Sahai family are UI alumni or current students; some are physicians who provide medical services at the family's Webster City clinic. Members of the Sahai family have generously supported the UI colleges of Medicine and Engineering for many years.

UI graduates Dr. Donald H. Beisner (M.D.'64, M.S.'70) and Judith Ann Gardner Beisner (B.A.'61) believe their gift is "an investment in the future of medical education and excellence in health care." The Springfield, Mo., couple contributed \$1.5 million to create four annual awards for outstanding students in the College of Medicine, renovate three lecture halls in the Bowen Science Building, and establish an equipment fund in the Department of Ophthalmology and Visual Sciences to be used for purchasing instructional and scientific equipment. The Beisners' many years of giving to the UI, combined with their most recent outright contributions and future commitment, boost their total giving through the University of Iowa Foundation to nearly \$2 million.

The Wilson Family Foundation committed \$500,000 in 1999 toward construction of the new building. In recognition, the entrance lobby of the Medical Education and Biomedical Research Facility will be named in honor of Herbert A. Wilson and Janice A. Wilson of Coralville, Iowa. Herbert Wilson is founder and partner of Startups Unlimited, L.L.S., and is also involved with Micro-Surfacing Finishing Products, Inc., of Wilton, Iowa.

When the Phi Beta Pi medical fraternity sold its fraternity house, officers of the fraternity directed

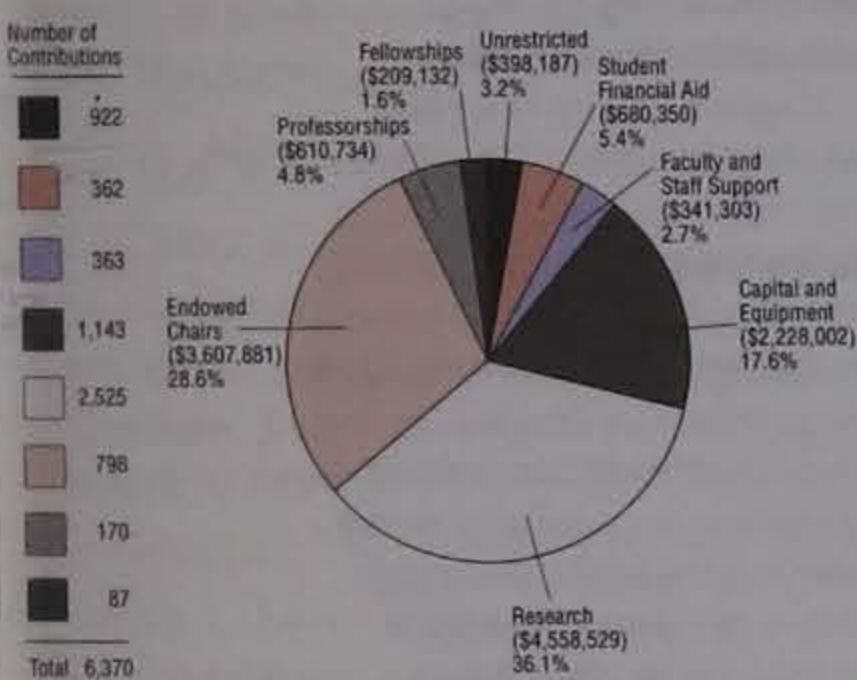
proceeds from the sale to the "Seeking Knowledge for Healing" campaign. Their \$500,000 gift will name a computer classroom in the new facility and endow medical student scholarships. The fraternity has made additional gifts to establish a scholarship for international medical experiences for students.

Dr. Catherine N. Payvandi (Ph.D.'78) and Dr. M. Naser Payvandi (Res.'73, Fel.'76) of Cedar Rapids have a special interest in helping medical students from immigrant families and those who desire to focus on international health care issues. In 1999 the couple committed \$80,000 to endow the Naser and Catherine Payvandi Medical Scholarship Fund for that purpose. Catherine Payvandi teaches at Mount Mercy College, and Dr. Naser Payvandi is a cardiologist.

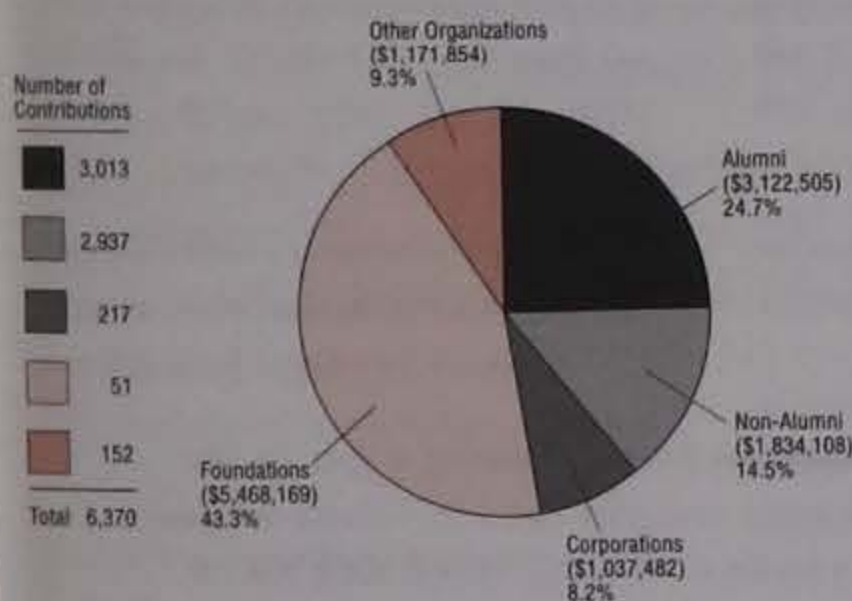
Lois S. Potter (M.A.'50), a retired speech pathologist, hoped scientists would find a cure for macular degeneration. She and her husband, Albert A. Potter (M.A.'51), a retired teacher, took steps to help others in the future. Before Lois Potter died in 1999, she contributed \$100,000 to endow the Albert A. and Lois Shefte Potter Fund for Macular Degeneration in the Department of Ophthalmology and Visual Sciences. Albert A. Potter died in 1997. The UI Center for Macular Degeneration in the Department of Ophthalmology and Visual Sciences was the first center in the country dedicated to finding a cure for macular degeneration, the most frequent age-related cause of blindness.

A \$50,000 gift from M. Alice Sahs in memory of her husband, Dr. Adolph L. Sahs, former head of the UI Department of Neurology in the College of Medicine, will bring a renowned lecturer to the UI campus each year. The gift will create the Adolph L. Sahs, M.D., Memorial Visiting Lectureship in Neurology. Adolph Sahs was a gifted athlete who lettered in baseball as an undergraduate and earned his M.D. degree from the UI in 1931. An exceptional teacher and diagnostician, Dr. Sahs headed the neurology department from 1948 to 1974, and died in 1986.

College of Medicine Uses of Private Support (\$12,634,118)



College of Medicine Sources of Private Support (\$12,634,116)



Dr. Lyle A. Baker and Mabel R. Baker of Tucson, Ariz., were Iowa natives who traveled and moved often but never forgot their home state. Dr. Baker graduated from the College of Medicine in 1930, shortly after he married Mabel Douglas on New Year's Eve, 1929. Dr. Baker's career took the couple to Boston, Chicago, California, and the Philippines. They returned to the United States in 1961 and settled in Tucson. The Bakers prepared an estate plan to create the **Lyle A. Baker and Mabel R. Baker Fund** to benefit the UI College of Medicine. Their gift will support one annual research fellowship in cardiovascular disease, with the remaining amount to be used at the discretion of the Dean of the College of Medicine. Dr. Baker died in May 1999; Mrs. Baker died in September 1999.

UI College of Medicine **faculty and staff members** responded generously to the campaign and made gifts and pledges totaling \$2.3 million. Drs. François M. Abboud, Joseph P. Buckwalter IV, and John P. Long, all of Iowa City, served as co-chairs for the faculty-staff campaign. More than 62 percent of faculty contributed to the campaign, and several faculty members made significant gifts to name areas in the new building. Several medicine

faculty members and their spouses contributed at the \$100,000 level, including Dr. Abboud (Res.'61), head of the Department of Internal Medicine, and Doris E. Abboud; and Drs. Hamed H. Tewfik and Ferial Y. Abbassy-Tewfik.

Other major gifts to the campaign came from B. W. Carpenter of Coralville, Iowa, a member of the campaign national steering committee; UI alumni Dr. Ralph H. Congdon (B.A.'61, M.D.'65) and Marcia A. Congdon (B.S.N.'61) of Davenport, Iowa; and Dr. Roger A. Simpson (B.A.'49, M.D.'52) and Mary P. Simpson of Iowa City. In recognition of an estate gift from the late Vernon and Irene Coughlan of Altoona, Iowa, two lab modules and a lab office suite will be named for the Coughlans.

Nine months after the completion of the "Seeking Knowledge for Healing" campaign, a single and extraordinary gift was announced that was as large as the campaign's original goal.

In September, four generations of the Holden family made a landmark \$25 million gift that provides unprecedented support for cancer research, education and treatment at the UI. The gift will build and equip the **Roland**



New otolaryngology reception area.

and **Ruby Holden Cancer Research Laboratories** in the MEBRF. In addition, the gift will provide endowed funds that finance research, new cancer investigators, and studies that translate laboratory discoveries into innovative treatment. The support extends to the UI Palliative Care Service, to assist terminally ill patients and their families, and continues development of the Roland W. Holden Family Program for Experimental Cancer Therapeutics.

To recognize the family's extraordinary generosity, the Holden Cancer Center, encompassing education, research, and patient care programs at the UI, has been named in their honor.

Charitable organizations continued to support the College of Medicine in 1999, including:

The Iowa Lions Foundation, which contributed \$118,500 to the Iowa Lions Eye Bank Fund and the Hearing Research Fund.

The "Seeking Knowledge for Healing" campaign exceeded all goals and expectations.



The Iowa Scottish Rite Masonic Foundation, which contributed \$50,000 for the Scottish Rite Masons Alzheimer's Fund.

#### Departmental Campaigns

A number of distinguished faculty members in the College of Medicine were appointed in 1999 to new endowed chairs and professorships in their departments. The chairs were created by private gifts from former residents, current and former faculty, and friends of the departments. The endowments were built through campaigns conducted by the UI Foundation, the College of Medicine, and active volunteers.

Dr. Kimberly S. Ephgrave was appointed to the **Robert and Hélène Soper Endowed Chair in General Surgery**, the department's first endowed chair. She graduated from Loyola-Stritch School of Medicine in 1980, with an internship at Loyola University Medical Center in Maywood, Ill., and residency at Parkland Memorial Hospital, Dallas, from 1981 to 1986. She is chief of surgical service at Veterans Affairs Medical Center, Iowa City.

Robert T. Soper (M.D.'52, Res.'58) served the UI for more than 40 years as a popular professor, physician, and researcher. He retired in 1997 but remains active in the College. He and his spouse, Hélène, stay in touch with the many surgery residents they met over the years.

Other faculty members appointed to endowed chairs and professorships in 1999 are:

- Kevin P. Campbell, physiology and biophysics, and neurology, UI Foundation Distinguished Professor, Howard Hughes Medical Institute investigator, named Roy J. Carver Chair in Physiology and Biophysics
- Beverly J. Davidson, internal medicine, physiology and biophysics, and neurology, named Roy J. Carver Chair in Internal Medicine

- E. Peter Greenberg, microbiology, named Virgil L. and Evalyn Shepperd Professor of Molecular Pathogenesis

- Donald D. Heistad, internal medicine, and pharmacology, UI Foundation Distinguished Professor of Internal Medicine and Pharmacology, named Zahn Cardiology Professor

- Mary J. C. Hendrix, professor and head, anatomy and cell biology, named Kate Daum Research Chair

- M. Sue O'Dorisio, pediatrics, named UI Foundation Distinguished Professor

- Jeffrey E. Pessin, physiology and biophysics, named UI Foundation Distinguished Professor

- Michael W. Peterson, internal medicine, named Dr. William and Sondra Myers Family Associate Professor

- Richard J. H. Smith, otolaryngology, named Sterba Hearing Research Professor

- Jeanne M. Snyder, anatomy and cell biology, named Dr. Harold A. Myers Professor

- Michael J. Welsh, internal medicine, physiology and biophysics, and Howard Hughes Medical Institute investigator, named Roy J. Carver Chair in Internal Medicine and Physiology and Biophysics

Support continued in 1999 to create the first **Iowa Academy of Family Physicians Chair in Rural Medicine** in the Department of Family Medicine. The campaign, now nearing its close, is being conducted in partnership with the Iowa Academy of Family Physicians and the Family Health Foundation of Iowa. The goal is to raise \$1.5 million, which includes a \$500,000 commitment by the UI College of Medicine for this endowment.

#### Opportunities for support through The University of Iowa Foundation

Individuals and organizations who contribute \$1,000 or more each year to any fund in the College of Medicine are recognized as members of the College of Medicine Dean's Club. Dean's Club members are recognized at the following levels:

Washington F. Peck, \$10,000 or more

Elizabeth Hess, \$5,000 through \$9,999

Old South Hall, \$2,500 through \$4,999

Dean's Club, \$1,000 through \$2,499

The College of Medicine Dean's Club Associates Program provides recognition for corporations, foundations, and other organizations that contribute \$5,000 or more annually. These generous organizations receive certificates of membership and periodic informative mailings from the College's administration.

Those who contribute annually to the College at levels below \$1,000 are recognized at the Steward level (\$500 to \$999) or the Partner level (\$250 to \$499).

For more information about making a gift to the College of Medicine, contact the University of Iowa Foundation, (319) 335-3305 or (800) 648-6973.

#### Administrative transitions

Dr. Michael Cohen, pathology, urology, and Public Health, was named head of pathology. Cohen, who has been on the faculty since 1990, replaced Dr. Richard Lynch, who had led the department since 1981. Cohen's research interests center on investigating prostate cancer using various immunologic and molecular approaches to study. He has several ongoing projects, including an in-depth study of programmed cell death as a potential avenue of

therapy. His work is funded by the NIH, the National Aeronautics and Space Administration, the Department of Veterans Affairs, and the Holden Cancer Center.

Dr. Jack T. Stapleton, internal medicine, was named director of the Helen C. Levitt Center for Viral Pathogenesis and Diseases. The center, established in 1997 by a \$1 million endowment from the estate of Helen C. Levitt through the UI Foundation, promotes and supports interdisciplinary activities aimed at understanding the role of viruses in human disease. Stapleton is principal investigator for the UI subunit of the NIH AIDS Clinical Trials Groups and the Ryan White Title 3 Early HIV Intervention Services Program. His laboratory research includes studies of hepatitis C virus and hepatitis G virus interactions with cells and how environmental factors such as alcohol consumption contribute to viral-induced liver disease.

#### Dean's Office transitions

Dr. Richard P. Nelson has been promoted to the position of executive dean. He had previously served as executive associate dean. The new position was established in response to the evolving

environment faced by UI Health Care. Dean Robert P. Kelch will spend a greater proportion of his time in strategic efforts on behalf of UI Health Care. Nelson will assume leadership of the College's day-to-day administration and will lead the planning for the College, which has several major capital projects under way.

Dr. Marc Wold, biochemistry, has been appointed assistant dean for research and graduate programs. He will focus on the College's liaison with the Graduate College for graduate and postgraduate research training, and the administrative management of the College's core facilities. He will continue his research and teaching in biochemistry and the Molecular Biology Graduate Program.

Dr. Madgetta Dungy has been named assistant dean for faculty affairs to coordinate the College's efforts to develop a diverse faculty and staff and to act as College liaison to UI Health Care residency and fellowship program directors. During her 20 years of experience in medical education and higher education administration, Dungy has directed several programs, including the College's Educational Opportunities Program.

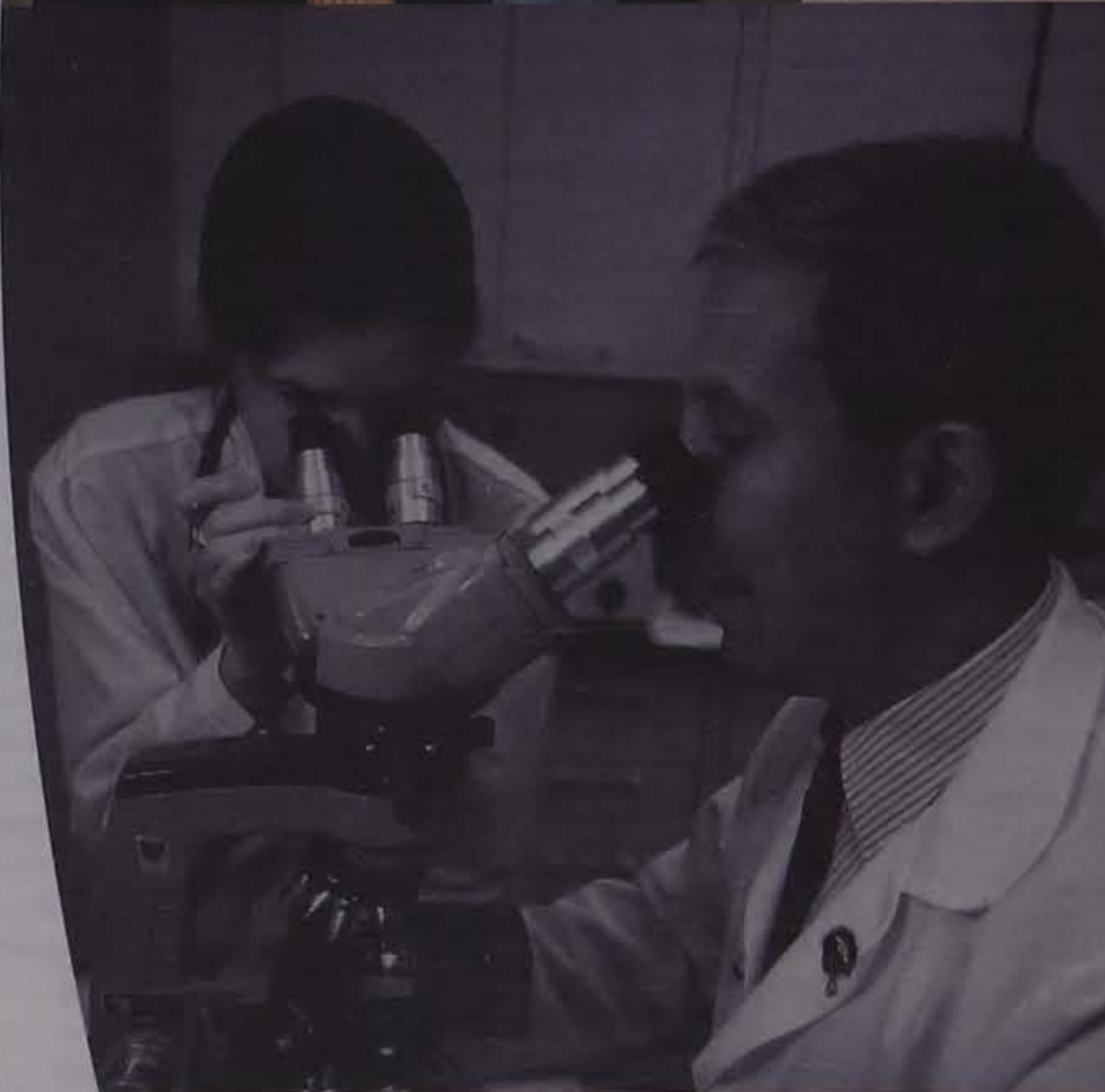
#### Visitors to Iowa

The College enjoyed a series of visitors to the campus. Among them was Dr. Stanley Prusiner, recipient of the Nobel Prize in Physiology and Medicine, who delivered a lecture sponsored by the Institute of Medicine of the National Academy of Sciences. Prusiner's lecture, "Prions and the Brain," was well attended. Prusiner is director of the Institute for Neurodegenerative Diseases and professor of neurology and biochemistry at the University of California, San Francisco.

New York Times medical reporter Dr. Lawrence K. Altman visited the UI as an Ida Beam Distinguished Visiting Professor. While at the UI he delivered a series of lectures cosponsored by the College of Medicine and the School of Journalism. He attended daily medical rounds at UI Hospitals and Clinics and the Veterans Affairs Medical Center.

Former UI professor and internationally known neuroscientist Dr. Rodolfo Llinas presented this year's Brain Awareness Week lecture. His talk, "Neurons and the Generation of Consciousness: Thalamocortical Resonance in Global Brain Function," was part of a

The Holden family at the announcement of their gift.



The UI College of Medicine is one of the top research institutions in the country.

series of activities. Llinas, the chair of the Department of Neuroscience at New York University, spent several years at the UI as a professor of physiology and biophysics during the 1970s. The UI participates in the national Brain Awareness Week, now in its fifth year, to elevate public awareness of brain and nervous system research.

#### National and international honors

Dr. Michael J. Welsh, internal medicine, physiology and biophysics, and Howard Hughes Medical Institute investigator, was elected a member of the National Academy of Sciences. Welsh is the third current UI faculty member in the nation's most distinguished scientific organization and the fifth at the UI overall.

Drs. Kathleen C. Buckwalter, associate provost for health sciences and director of the UI Center on Aging, and Kevin Campbell, physiology and biophysics, neurology, and Howard Hughes Medical Institute investigator, were elected to membership in the Institute of Medicine of the National Academy of Sciences. The institute's members are elected on the basis of their professional achievement and conduct studies, conferences, and other inquiries into matters of national health policy.

The Institute of Medicine awarded one of its highest honors, the eighth annual Rhoda and Bernard Sarnat International Prize in Mental Health, to Dr. Nancy C. Andreasen, psychiatry, for her work in schizophrenia. She was also recognized for her role as editor-in-chief of the *American Journal of Psychiatry*, "transforming it into a first-rate scientific publication with accessibility by psychiatric practitioners," according to the Institute.

Dr. François Abboud, internal medicine, and physiology and biophysics, received the 2000 American College of Physicians - American Society of Internal Medicine Award for Outstanding Work in Science as Related to Medicine. He was selected

based on his "milestone contributions" to internal medicine, especially in the area of autonomic control of circulation.

Drs. Abboud, Harold P. Adams, neurology, and Donald D. Heistad, internal medicine, pharmacology, received special awards from the American Heart Association. Abboud received the AHA's 1999 Research Achievement Award in recognition of his career-long accomplishments in cardiovascular science. Adams, director of neurology's Division of Cerebrovascular Diseases, received the AHA Scientific Councils Distinguished Achievement Award. Heistad, director of internal medicine's Division of Cardiovascular Diseases, received the AHA Council on Circulation George E. Brown Memorial Lectureship.

Dr. Kevin Campbell, physiology and biophysics, neurology, and Howard Hughes Medical Institute investigator, was named a fellow in the Biophysical Society's first class of Society Fellows. The 2000 class of Society Fellows consists of society members honored for their excellence in science and contributions to the expansions of the biophysics field.

Dr. Henry Paulson, neurology, was named a Henry Ellison Medical Foundation New Scholar. The award, now in its second year, seeks to give support to outstanding physicians and to promote cutting edge research in aging processes. Paulson's research stems from a discovery he made in 1997 that many degenerative diseases are due to abnormal accumulations of proteins in the brain.

Dr. Robert G. Robinson, psychiatry, received the Academy of Psychosomatic Medicine Annual Research Award for his research on emotional disorders associated with stroke. His work of more than 20 years of research in neuropsychiatry includes studies on depression that have helped improve patient care.

Dr. Curt D. Sigmund, internal medicine, and physiology and biophysics, received the Henry Pickering Bowditch Lectureship, awarded to an outstanding

young physiologist. Sigmund, who is also the director of the UI Transgenic Animal Facility, received the award from the American Physiological Society for demonstrating original and outstanding accomplishments in the field of physiology.

Dr. Lawrence Hunsicker, internal medicine, received the 2000 Roche Distinguished Achievement Award, the highest honor for a senior investigator who has made enormous contributions to the field. Hunsicker is a national leader in organ transplantation issues and is a past president of the United Network for Organ Sharing.

Dr. Antonio Damasio, neurology, was awarded the Kappers Medal in Neuroscience, the highest honor from the Netherlands Brain Research Society. He was also invited to deliver the Huygens Lecture, sponsored by the NWO, the Dutch institute of health research.

#### Iowa Honors

Dr. Gerald J. McGowan, family medicine, and medical director of the Siouxland Medical Education Foundation in Sioux City, was named the 1999 Medical Educator of the Year by the Iowa Academy of Family Physicians. The Siouxland Medical Education Foundation is a nonprofit corporation led by a board of medical, hospital and community representatives. It provides patient care and health sciences education at its Sioux City Family Practice Center.

Dr. Jeffrey Murray, pediatrics, gave the Presidential Lecture, titled "Genes and the Environment, Science and Society." Murray, who headed the UI's involvement in the Human Genome Project, is fascinated with how genes and their environment interact to cause problems, particularly facial birth defects such as cleft palate. Named a UI global scholar in 1999, Murray is preparing for an international clinical trial to study whether vitamin intervention will help indigent women prevent birth defects.

Faculty members earned awards for teaching, service, research, and excellence:

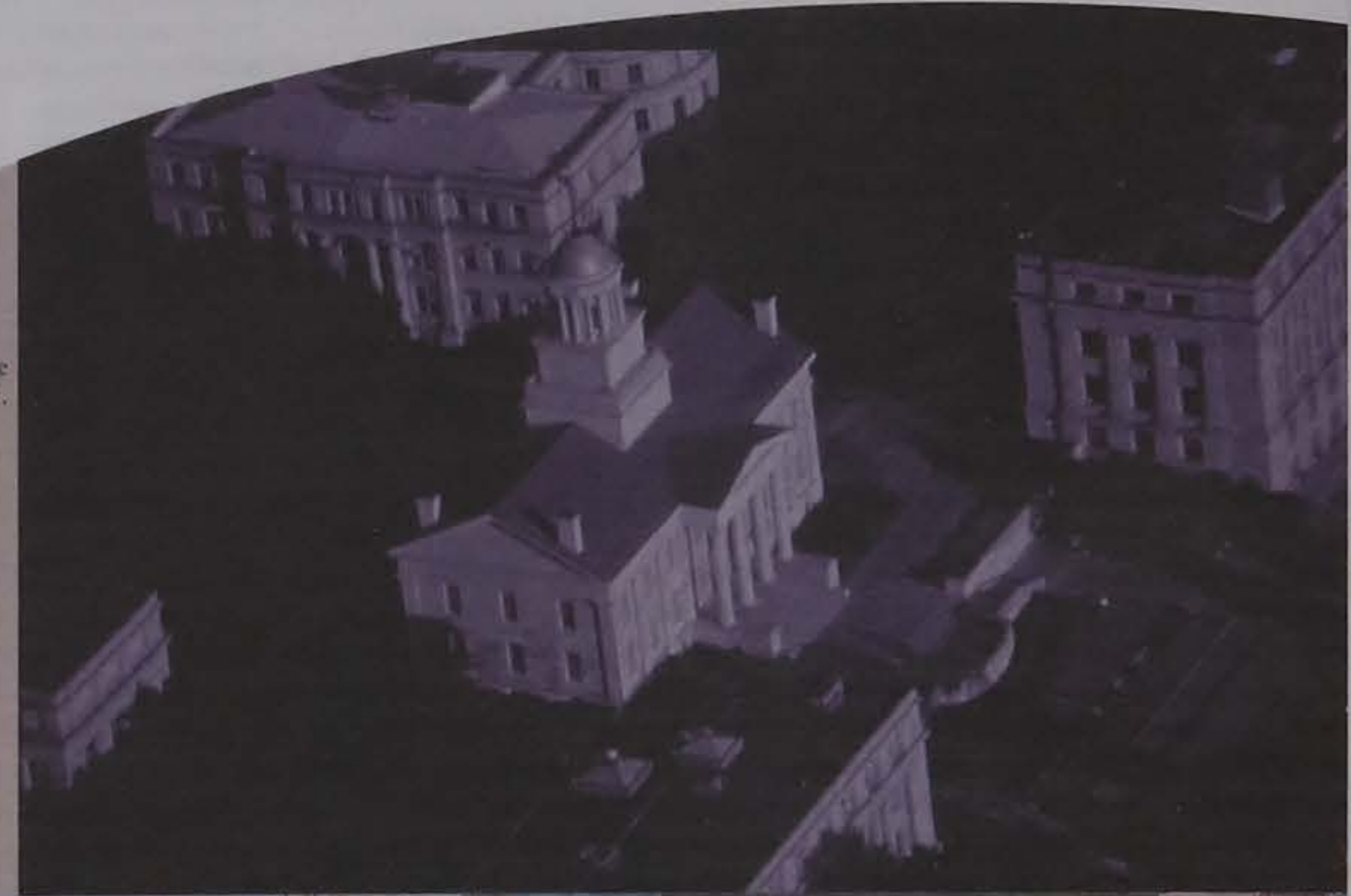
- Dr. John P. Long Teaching Award in the Basic Sciences: Dr. Thomas J. Schmidt, physiology and biophysics
- Dr. Ernest O. Theilen Clinical Teaching and Service Award: Dr. Frank J. Zlatnik, obstetrics and gynecology
- Faculty Service Award: Dr. David M. Rosenthal, family medicine, counselor education and psychiatry
- Lewis D. Holloway Award for Research in Health Sciences Education: Dr. Ambre Lane Olsen, obstetrics and gynecology
- 2000 Regents Award for Faculty Excellence: Dr. Stuart L. Weinstein, orthopaedic surgery
- University of Iowa Collegiate Teaching Awards: Drs. Richard Kemp Shields, physical therapy, and Scott A. Vogelgesang, internal medicine

#### The Iowa Medical Society

The Iowa Medical Society in April honored Dean Robert Kelch and Louis Crist, director of the College's Office of Continuing Medical Education for outstanding contributions to the field of medicine. Kelch received the Merit Award, which goes to a physician who has made outstanding contributions to the profession and to the IMS. The award honored and recognized Kelch's achievements in academic medicine and his efforts to strengthen the role of organized medicine with academic physicians.

Crist received the John F. Sanford Award, which is given annually to IMS nonmembers in recognition of outstanding contributions to the public health of Iowans and the medical profession. He was specifically recognized for his outstanding work in the area of continuing medical education.

The Pentacrest was the site of Iowa's first state capitol.



The Medical Education and Biomedical Research Facility is the largest single building project in University history.



## Current Faculty

### Academic Year 2000-2001

Joint appointments are included in parentheses. An asterisk notes primary appointments.

#### ANATOMY AND CELL BIOLOGY

1-402 Bowen Science Building

319/335-7753



Hendrix, Mary J.C., Ph.D., Kate Daum Research Chair, Professor and Department Head

Afifi, Adel K., M.D., Professor (\*Pediatrics, Neurology)  
Andersen, Kathleen, M.S., Associate (Nursing)  
Assouline, Jose Guy, Ph.D., Visiting Assistant Professor  
Bechara, Antoine, Ph.D., M.D., Assistant Professor (\*Neurology)  
Bergman, Ronald A., Ph.D., Professor (Emeritus)  
Bhalla, Ramesh C., Ph.D., Professor  
Bickenbach, Jackie R., Ph.D., Associate Professor (Dermatology)  
Cassell, Martin D., Ph.D., Associate Professor  
Coulter, Joe Dan, Ph.D., Professor  
Davisson, Robin Lynn, Ph.D., Assistant Professor  
Engelhardt, John F., Ph.D., Associate Professor (Internal Medicine)

Finkelstein, Michael W., D.D.S., Professor (\*Dentistry)  
Hartley, Rebecca S., Ph.D., Assistant Professor  
Heidger, Paul M., Ph.D., Professor  
Jew, Jean Y., M.D., Professor  
Kawai, Masataka, Ph.D., Professor  
Kultas-Ilinsky, Heli-Kristy, Ph.D., Professor  
Kuru, Nilgun, Ph.D., Visiting Assistant Professor  
Longo, Frank J., Ph.D., Professor  
Pantazis, Nicholas J., Ph.D., Professor  
Pizzimenti, Marc, Ph.D., Associate  
Rebagliati, Michael R., Ph.D., Assistant Professor  
Richenbacher, Wayne E., M.D., Professor (\*Surgery)  
Ruprecht, Axel, D.D.S., Professor (\*Dentistry)  
Sandra, Alexander, Ph.D., Professor  
Scheldrup, Eugene W., M.D., Professor (Emeritus)  
Scott-Conner, Carol, M.D., Ph.D., M.B.A., Professor (\*Surgery)  
Snyder, Jeanne, Ph.D., Dr. Harold A. Myers Professor  
Thompson, Sue A., Ph.D., Associate  
Tomanek, Robert J., Ph.D., Professor  
Van Hoesen, Gary W., Ph.D., Professor (Neurology)  
Williams, Terence H., M.D., Professor

#### ANESTHESIA

6546 John Colloton Pavilion

319/356-2633



Brown, David L., M.D., Professor and Department Head

Anderson, Erling A., Ph.D., Associate Professor (Psychology)  
Baker, Max T., Ph.D., Associate Professor  
Barcellos, Winston A., M.D., Associate Professor (Clinical)  
Bates, James N., Ph.D., M.D., Associate Professor  
Block, Robert I., Ph.D., Associate Professor  
Brennan, Timothy J., Ph.D., M.D., Associate Professor  
Brian, Johnny E. Jr., M.D., Associate Professor  
Campos-Torres, Javier H., M.D., Associate Professor (Clinical)  
Carter, James G., M.D., Associate Professor (Emeritus)  
Choi, James Y., M.D., Assistant Professor (Clinical)  
Choi, Won W., Ph.D., M.D., Professor  
Dehring, Deborah J., M.D., Associate Professor  
Dexter, Franklin III, Ph.D., M.D., Associate Professor  
Dillman, Judith B., M.D., Clinical Assistant Professor  
Forbes, Robert B., M.D., Professor  
From, Robert P., D.O., Associate Professor

Gergis, Samir D., M.D., Professor  
Ghoneim, Mohamed M., Ph.D., M.D., Professor  
Gomez, Mark N., M.D., Associate Professor (Clinical)  
Greensmith, J. Eric, Ph.D., M.D., Assistant Professor (Clinical)  
Hammond, Donna L., Ph.D., Professor  
Hammonds, William D., M.P.H., M.D., Professor (Clinical)  
Hao, Mingming, Ph.D., M.D., Associate  
Harrington, Jeanette A., M.D., Assistant Professor (Clinical)  
Hata, J. Steven, M.D., Associate Professor (Clinical)  
Hata, Tara M., M.D., Assistant Professor (Clinical)  
Helmets, Laurilyn D., M.D., Assistant Professor (Clinical)  
Hindman, Bradley J., M.D., Associate Professor  
Jebson, Peter J. R., M.D., Professor  
Jensen, Niels F., M.D., Associate Professor (Clinical)  
Koorn, Robert, M.D., Associate Professor (Clinical)  
Leonard, Paul A., Ph.D., M.D., Assistant Professor (Clinical)  
Lillehaug, Steven L., M.D., Associate Professor (Clinical)  
Lund, Jorgen, M.D., Associate  
Maktabi, Mazen A., M.D., Associate Professor  
Mensink, Fred J., M.D., Associate Professor (Clinical)  
Moyers, John R., M.D., Professor  
Naguib, Mohamed, M.D., Associate Professor  
Oyos, Tanya L., M.D., Associate Professor (Clinical)  
Papworth, David P., M.D., Associate Professor (Clinical)

Pearson, Kent S., M.D., Associate Professor  
Perino, Ann T., M.D., Assistant Professor (Clinical)  
Rosenquist, Richard W., M.D., Associate Professor (Clinical)  
Ross, Alan F., M.D., Associate Professor  
Scamman, Franklin L., M.D., Professor  
Schmid III, Phillip G., M.D., Associate  
Shah, Arjav J., M.D., Assistant Professor (Clinical)  
Sherburne, Alan R., M.D., Clinical Assistant Professor  
Shimosato, Shiro, Ph.D., M.D., Professor (Emeritus)  
Simmons, Shawn T., M.D., Associate  
Sokoll, Martin D., M.D., Professor (Emeritus)  
Stefani, Stephen J., M.D., Associate  
Szeluga, Debra J., M.D., Assistant Professor (Clinical)  
Thompson, Edward S., Ph.D., C.R.N.A., Associate Professor (Clinical) (\*Nursing)  
Todd, Michael M., M.D., Professor  
Vincent, Carla M., M.D., Associate  
Wachtel, Ruth E., Ph.D., Associate Professor  
Whitter, Tyrone B., Ph.D., M.D., Assistant Professor (Clinical)

## BIOCHEMISTRY

4-403 Bowen Science Building

319/335-7932



Donelson, John E., Ph.D., UI Foundation Distinguished Professor of Biochemistry and Department Head

Arnone, Arthur, Ph.D., Professor

Cohen, Robert E., Ph.D., Associate Professor

Coleman, Mary Sue, Ph.D., Professor and UI President (Biological Sciences)

Conway, Thomas W., Ph.D., Professor (Emeritus)

Deschenes, Robert J., Ph.D., Professor

Fulton, Alice B., Ph.D., Professor

Geyer, Pamela K., Ph.D., Professor

Gioannini, Theresa, Ph.D., Adjunct Professor

Lata, Gene F., Ph.D., Associate Professor (Emeritus)

Montgomery, Rex, Ph.D., Professor

Murphy, Kenneth P., Ph.D., Associate Professor

Plapp, Bryce V., Ph.D., Professor

Price, David H., Ph.D., Professor

Robertson, Andrew D., Ph.D., Associate Professor

Routh, Joseph I., Ph.D., Professor (Emeritus)

Rubenstein, Peter A., Ph.D., Professor

Shea, Madeline A., Ph.D., Associate Professor

Spector, Arthur A., M.D., UI Foundation Distinguished Professor (Internal Medicine)

Stellwagen, Earle, C., Ph.D., Professor

Stellwagen, Nancy C., Ph.D., Adjunct Professor

Subramanian, Ramaswamy, Ph.D., Assistant Professor

Swain, Elisabeth Ann, Ph.D., Visiting Assistant Professor

Swenson, Charles A., Ph.D., Professor (Emeritus)

Tobacman, Larry S., M.D., Professor (\*Internal Medicine)

Walder, Joseph A., M.D., Ph.D., Adjunct Professor

Wallrath, Lori L., Ph.D., Assistant Professor

Weeks, Daniel L., Ph.D., Associate Professor

Weisman, Lois S., Ph.D., Associate Professor

Wold, Marc S., Ph.D., Professor

## DERMATOLOGY

2045-1 Boyd Tower

319/356-2274



Sontheimer, Richard, M.D., John S. Strauss Endowed Chair in Dermatology, Professor, and Department Head

Arpey, Christopher J., M.D., Assistant Professor

Bickenbach, Jackie R., Ph.D., Associate Professor (\*Anatomy and Cell Biology)

Bovenmyer, Dan A., M.D., Clinical Associate Professor (Bettendorf)

Caplan, Richard M., M.D., Professor (Emeritus)

Ceilley, Roger I., M.D., Clinical Professor (West Des Moines)

Cleveland, Mark G., M.D., Ph.D., Clinical Assistant Professor (Burlington)

Cunningham, Nancy M., M.D., Assistant Professor (Clinical)

Downing, Donald Talbot, Ph.D., Professor

Galask, Rudolph P., M.D., Professor (\*Obstetrics and Gynecology)

Godwin, Robert F., M.D., Clinical Assistant Professor (Bettendorf)

Madison, Kathi C., M.D., Professor (Dentistry)

Maharry, Randall R., M.D., Clinical Assistant Professor (Des Moines)

Piette, Warren W., M.D., Professor

Ray, Thomas L., M.D., Professor

Schulz, Kimberly Kay, M.D., Assistant Professor (Clinical)

Stone, Mary S., M.D., Associate Professor (Pathology)

Strauss, John S., M.D., Professor (Emeritus)

Wall, Susan D., M.D., Clinical Assistant Professor (Iowa City)

Whitaker, Duane C., M.D., Professor

## FAMILY MEDICINE

01105 Pomerantz Family Pavilion

319/384-7000



Johnson, Cynda Ann, M.D., M.B.A., Professor and Department Head

Andresen, Andrew A., M.D., Clinical Lecturer (Durant)

Ankeny, John W., D.O., Clinical Lecturer (Des Moines)

Artherholt, William G., D.O., Clinical Lecturer (Red Oak)

Bailey, William J., M.D., Clinical Assistant Professor (Sioux City)

Baker, Laurence J., D.O., Clinical Lecturer (Des Moines)

Baustian, Gordon H., M.D., Clinical Associate Professor (Cedar Rapids)

Beaty, Larry D., M.D., Associate Professor (Clinical)

Beetner, Gary A., Ph.D., M.D., Clinical Lecturer (Parkersburg)

Bell, James Raymond, M.D., Clinical Lecturer (Urbandale)

Bell, James Russell, M.D., Clinical Lecturer (Marion)

Bergus, George R., M.D., Associate Professor (Psychiatry)

Blair, Timothy J., M.D., Clinical Lecturer (Keosauqua)

Brandt, Kim B., M.D., Clinical Lecturer (Mount Vernon)

Breitkreuz, David R., M.D., Clinical Lecturer (Waterloo)

Bunting, Dean A., M.D., Clinical Lecturer (Davenport)

Carroll, John R., M.D., Clinical Lecturer (Carroll)

Cearlock, Kenneth, M.D., Clinical Lecturer

Clark, W. David, M.D., Clinical Assistant Professor (Mason City)

Coddington, James K., M.D., Clinical Lecturer (Mason City)

Connell, Patricia C., M.D., Clinical Assistant Professor (Waterloo)

Daniels, Timothy K., M.D., Clinical Lecturer (Storm Lake)

Danielson, Stanton L., M.D., Clinical Assistant Professor (Altoona)

Dietz, Cory Lynn, M.D., Clinical Lecturer (Waterloo)

Dobyns, Richard C., M.D., Associate Professor (Clinical)

Doorenbos, Daryl E., M.D., Clinical Lecturer (Le Mars)

Doorenbos, Roy Allen, M.D., Clinical Lecturer (Grinnell)

Drake, George Erving, M.D., Clinical Lecturer (Indianola)

Durbin, William E., M.D., Clinical Lecturer (Perry)

Dvorak, Laine D., M.D., Clinical Lecturer (Humboldt)

Ebensberger, John R., M.D., Clinical Lecturer (Greene)

Ely, John W., M.D., M.S.P.H., Associate Professor

Engelbrechtsen, Bery J., M.D., Associate

Evans, Eric, M.D., Clinical Lecturer

Evans, Thomas C., M.D., Clinical Lecturer

Fagre, Lee O., M.D., Clinical Lecturer (Shell Rock)

Fick, Daniel S., M.D., Associate Professor (Clinical) (Orthopaedic Surgery)

Fox, Matthew G., M.D., Clinical Lecturer (Marion)

Friedman, Robert L., M.D., Clinical Associate Professor (Waterloo)  
Galioto, Nicholas J., M.D., Associate  
Ganske, Corrine M., M.D., Clinical Assistant Professor (Des Moines)  
Garrett, Filip J., M.D., Clinical Lecturer (Mason City)  
Garrett, Robert E., M.D., Associate Professor (Clinical)  
Goodner, Susan M., M.D., Clinical Lecturer (Iowa City)  
Gordon, Paul H., M.D., Clinical Lecturer (Mason City)  
Graber, Mark A., M.D., Associate Professor (Clinical) (\*Surgery)  
Gurwell, Adelaide M., M.D., Assistant Professor (Clinical)  
Hanson, David H., M.D., Clinical Assistant Professor (Mason City)  
Hartz, Arthur J., Ph.D., M.D., Professor  
Hawkins, Ronnie, M.D., Clinical Lecturer (Des Moines)  
Haworth, Merry Jayne, M.D., Clinical Assistant Professor (Iowa City)  
Hayes, Greg W., M.D., Clinical Lecturer (Cedar Rapids)  
Hodge, Richard M., M.D., Clinical Lecturer (Marion)  
Hoffmann, Jeffrey J., D.O., Clinical Lecturer (Guttenberg)  
Hogenson, Mark A., M.D., Clinical Lecturer (Cedar Rapids)  
Huff, Marvin R., Ph.D., D.O., Clinical Assistant Professor (Des Moines)  
Hunt, Samuel R., M.D., Clinical Lecturer (Mason City)  
Huss, Charles D., M.D., Clinical Assistant Professor (Iowa City)  
Jennings, Michael A., M.D., Clinical Lecturer (Sioux City)

Jogerst, Gerald J., M.D., Associate Professor  
Jongewaard, Richard, M.D., Clinical Lecturer (Sioux Center)  
Jung, Michael J., M.D., Clinical Associate Professor (Sioux City)  
Kappos, George Theodore, M.D., Clinical Lecturer  
Kearns, David L., Ph.D., Associate Professor (Clinical)  
Keating, Colleen L., M.D., Clinical Lecturer (Cedar Rapids)  
Kelly, Michael J., M.D., Clinical Lecturer (Davenport)  
Klepser, Theresa B., Pharm.D., Assistant Professor (Clinical) (\*Pharmacy)  
Klise, Kurt J., M.D., Clinical Lecturer (Perry)  
Klug, Beverly, M.A., Adjunct Instructor  
Knudson, Ralph, M.D., Clinical Lecturer  
Kontos, Annie M., D.O., Clinical Lecturer (Waterloo)  
Kresnicka, David Edward, M.D., Clinical Lecturer (Marion)  
Langbehn, Susan, M.D., Assistant Professor (Clinical)  
Lassen, Delwyn L., M.D., Clinical Assistant Professor (Sioux City)  
Levalley, Gary L., M.D., Clinical Lecturer (Fort Dodge)  
Levy, Barcey T., M.D., Ph.D., Associate Professor  
Lindstrom, Lori L., M.D., Clinical Lecturer (Mason City)  
Locke, Kevin E., M.D., Clinical Lecturer (Decorah)  
Loos, Gerald D., M.D., Clinical Associate Professor (Des Moines)  
Lowry, Timothy C., M.D., Clinical Lecturer (Jewell)  
Mackenzie, Sara L.C., M.D., Assistant Professor (Clinical)

Magle, Patricia K., M.D., Clinical Lecturer (Lamoni)  
Maharry, Michael Karl, M.D., Assistant Professor (Clinical)  
Mahoney, Mark A., M.D., Clinical Lecturer (Mason City)  
Mahoney-Vitha, Megan M., M.D., Clinical Assistant Professor  
Matthews, Lawrence W., D.O., Clinical Lecturer  
Maxson, Jami A., M.D., Clinical Lecturer  
McCaughey, Paul T., D.O., Clinical Instructor (Waterloo)  
McConville, James B., M.D., Clinical Lecturer (Centerville)  
McGowan, Gerald J., M.D., Clinical Associate Professor (Sioux City)  
McInnes, David A., M.D., Clinical Associate Professor (Des Moines)  
Merrick, Robert J., M.D., Clinical Lecturer (Guttenberg)  
Metzger, Ann M., M.D., Clinical Lecturer (Marion)  
Miller, Donald K., M.D., Clinical Lecturer  
Mills, Keith F., M.D., Clinical Lecturer  
Mixdorf, Jay D., M.D., Clinical Associate Professor (Mason City)  
Moss, Kenton K., M.D., Clinical Lecturer (Algona)  
Muller, Merle E., M.D., Clinical Assistant Professor (Sioux City)  
Murphy, John F., M.D., Clinical Assistant Professor (Boone)  
Myers, Tony A., M.D., Clinical Assistant Professor (Cedar Rapids)  
Nelson, Donald A.F., M.D., Clinical Assistant Professor (Cedar Rapids)  
Nolan, John W., M.D., Clinical Lecturer  
Olick, Robert S., J.D., Ph.D., Associate Professor (Biomedical Ethics)

Oolman, Barbara, M.D., Clinical Lecturer (Waterloo)  
Perry, Richard E., M.D., Clinical Lecturer (Waukon)  
Pettit, William Robert, D.V.M., D.O., Clinical Assistant Professor (West Des Moines)  
Pisney, Francis L., M.D., Clinical Lecturer (Iowa Falls)  
Pretorius, Richard W., M.D., Assistant Professor (Clinical)  
Prihoda, Matthew John, M.D., Clinical Lecturer (Washington)  
Quaas, Max A., M.D., Clinical Lecturer (Decorah)  
Railey, Robert M., M.D., Clinical Assistant Professor (Des Moines)  
Richard, Larry W., M.D., Clinical Lecturer (Leon)  
Robb, Alan C., M.D., Clinical Lecturer (Cedar Rapids)  
Roof, John D., M.D., Clinical Lecturer (Cedar Rapids)  
Rosenbaum, Marcy E., Ph.D., Assistant Professor (OCRME)  
Rosenkrans, Kurt A., M.D., Clinical Lecturer (Sioux City)  
Rosenthal, David M., Ph.D., Associate Professor (Education, Psychiatry)  
Ross, Kelly D., M.D., Clinical Lecturer (St. Ansgar)  
Rouse, Wayne E., M.D., Clinical Lecturer (Boone)  
Ruen, David A., M.D., Clinical Lecturer (Mason City)  
Sahai, Subhash C., M.D., Clinical Lecturer (Webster City)  
Schroeder, Thomas J., M.D., Clinical Lecturer (Cedar Rapids)  
Semler, Charles E. Jr., M.D., Clinical Lecturer (Story City)  
Severidt, Larry A., M.D., Clinical Lecturer (Pella)  
Shires, Robert Steven, M.D., Clinical Lecturer

Shirk, Ronald Allen, D.O., Clinical Lecturer (Urbandale)  
Shook, Steven Leroy, M.D., Clinical Lecturer (Sioux City)  
Shostrum, F. Larry, Ph.D., Adjunct Assistant Professor  
Singh, Phyllis J., Ph.D., Adjunct Associate Professor  
Skaufle, Monte L., M.D., Clinical Associate Professor (Davenport)  
Sladek, Stephen M., Clinical Assistant Professor  
Sohn, Steven D., M.D., Clinical Lecturer (Perry)  
Sparacino, Michael L., D.O., Clinical Associate Professor (Mason City)  
Sutherland, John E., M.D., Clinical Professor (Waterloo)  
Swieskowski, David E., M.D., Clinical Lecturer (Des Moines)  
Teddall, Donald J., M.D., Clinical Assistant Professor (Des Moines)  
Thomas, David L., M.D., Clinical Lecturer (Marshalltown)  
Thomas, J. Gregory, M.D., Clinical Lecturer (Council Bluffs)  
Thurston, Lloyd J., D.O., Clinical Assistant Professor (Pella)  
Timboe, Douglas M., M.D., Clinical Assistant Professor  
Troester, Joni, M.A., Adjunct Instructor  
Tyler, Mark J., M.D., Clinical Lecturer (Cedar Rapids)  
Van Houweling, Bruce R., M.D., Clinical Lecturer (Solon)  
Vanden Bosch, Daniel T., M.D., Clinical Lecturer (Cedar Rapids)  
Verduyn, Wouter H., M.D., Clinical Lecturer (Waterloo)  
Warhank, Rose A., M.D., Clinical Lecturer (Davenport)  
Weissman, Alicia M., M.D., Assistant Professor  
White, Jerrold L., M.D., Clinical Assistant Professor (Mason City)

Whitis, Matthew G., M.D.,  
Clinical Lecturer (Oskaloosa)

Widmer, James C., M.D., Clinical  
Lecturer (Mount Pleasant)

Widmer, Reuben B., M.D.,  
Professor (Emeritus)

Wieland, Veronica, A.R.N.P.,  
Adjunct Instructor

Wilkinson, Marc L., M.D.,  
Clinical Lecturer

Williams, Glenys O., M.D.,  
Professor (Emeritus)

Woodman, Catherine L., M.D.,  
Associate Professor (\*Psychiatry)

Workman, Douglas M., M.D.,  
Clinical Lecturer (Bettendorf)

Young, David W., Ph.D., Adjunct  
Instructor

Young, James R., M.D., Clinical  
Lecturer (Cedar Falls)

Zelnick, Charles J., M.D., Clinical  
Assistant Professor (Cedar Rapids)

Zoutendam, Ronald L., M.D.,  
Clinical Lecturer (Sheldon)

#### INTERNAL MEDICINE

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Abboud, François M., M.D., Edith King  
Pearson Professor and Department  
Head (Physiology and Biophysics)

DiBona, Gerald F., M.D.,  
Professor, Vice Chair, and VAMC  
Chief of Medical Services  
(Physiology and Biophysics)

Winniford, Michael D., M.D.,  
Professor and Vice Chair

#### Allergy-Immunology

Ballas, Zuhair K., M.D., Professor  
and Division Director

Hussain, Iftikhar, M.D., Assistant  
Professor (Clinical)

Little, Marta M., M.D., Visiting  
Assistant Professor (Clinical)

Muller, Barbara A., M.D.,  
Associate Professor (Clinical)

Richerson, Hal B., M.D.,  
Professor (Emeritus)

Seebom, Paul M., M.D.,  
Professor (Emeritus)

Smith, Jeanne M., M.D., Associate  
Professor (Emeritus)

Weiler, John M., M.D., Professor

#### Cardiovascular Diseases

Heistad, Donald D., M.D., UI  
Foundation Distinguished  
Professor, Zahn Cardiology  
Professor and Division Director  
(Pharmacology)

Kerber, Richard E., M.D.,  
Professor and Associate Division  
Director

Benson, Christopher J., M.D.,  
Assistant Professor

Brown, Donald D., M.D.,  
Professor

Chapleau, Mark William, Ph.D.,  
Associate Professor

Chase, John, M.D., Assistant  
Professor (Clinical)

Dellsperger, Kevin C., M.D.,  
Associate Professor, VAMC Chief  
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Veterans Affairs

Eckstein, John W., M.D., Professor  
and Dean (Emeritus)

Faraci, Frank M., Ph.D., Professor  
(Pharmacology)

Felder, Robert B., M.D., Professor

Funk, David C., M.D., Associate  
Professor (Emeritus)

Gordon, Ellen E.I., M.D.,  
Associate Professor (Clinical)

Guerra, Ricardo Jr., M.D.,  
Assistant Professor (Clinical)

Hill, Joseph A., M.D., Ph.D.,  
Assistant Professor

Jagasia, Dinesh, M.D., Assistant  
Professor (Clinical)

January, Lewis, M.D., D.Sc.,  
Professor and Special Assistant to  
the Chair (Emeritus)

Kienzle, Michael G., M.D.,  
Professor and Associate Dean for  
Clinical Affairs and Biomedical  
Communications

Kirchner, Peter T., M.D., Professor  
(\*Radiology)

Lamping, Kathryn, Ph.D.,  
Assistant Professor (Pharmacol-  
ogy)

Lee, Hon-Chi, M.D., Associate  
Professor

Lopez, John J., M.D., Associate  
Professor (Clinical)

Mark, Allyn L., M.D., Roy J.  
Carver Professor of Medicine and  
Associate Dean for Research and  
Graduate Programs

Martins, James B., M.D.,  
Professor

Medh, Jheem D., Ph.D., Adjunct  
Assistant Professor

Miller, Francis J. Jr., M.D.,  
Assistant Professor

Mulhern, Kevin M., M.D.,  
Associate Professor (Clinical)

Olshansky, Brian, M.D., Professor

Oren, Ron M., M.D., Associate  
Professor (Clinical)

Rossen, James D., M.D., Associate  
Professor

Schmid, Phillip Jr., M.D.,  
Professor (Emeritus)

Shivkumar, Kalyanam, M.D.,  
Ph.D., Assistant Professor  
(Clinical)

Sigmund, Curt D., Ph.D.,  
Associate Professor (Physiology  
and Biophysics)

Skorton, David J., M.D., Professor  
and UI Vice President for Research  
(Engineering)

Snyder, Peter M., M.D., Associate  
Professor (Physiology and  
Biophysics)

Spector, Arthur A., M.D., UI  
Foundation Distinguished  
Professor (\*Biochemistry)

Sundaram, Kalyana, M.D.,  
Visiting Assistant Professor

Weiss, Robert M., M.D., Associate  
Professor and VAMC Director of  
Cardiovascular Programs

Weintraub, Neal L., M.D.,  
Assistant Professor

Winniford, Michael D., M.D.,  
Professor and Vice Chair

#### Clinical Pharmacology

Haynes, William G., M.D.,  
Associate Professor and Division  
Director

#### Endocrinology-Metabolism

Bar, Robert S., M.D., Professor  
and Division Director

Dillon, Joseph S., M.D., Assistant  
Professor

Doelle, Gregory C., M.D.,  
Associate Professor (Clinical)

Erondu, Ngozi E., M.D., Ph.D.,  
Assistant Professor

Kabadi, Udaya, M.D., Associate  
Professor (Clinical)

O'Dorisio, Thomas, M.D.,  
Professor

Schlechte, Janet A., M.D.,  
Professor and Director of the  
General Clinical Research Center

Sivitz, William I., M.D., Associate  
Professor

Snetselaar, Linda G., Ph.D.,  
Associate Professor (\*Public  
Health)

Spanheimer, Robert G., M.D.,  
Associate Professor

Yorek, Mark A., Ph.D., Associate  
Professor

#### Gastroenterology-Hepatology

Weinstock, Joel V., M.D.,  
Professor and Division Director

Bielefeldt, Klaus, M.D., Ph.D.,  
Assistant Professor

Christensen, James, M.D.,  
Professor (Emeritus)

Clifton, James A., M.D., Roy J.  
Carver Professor (Emeritus)

Elliott, David E., Ph.D., M.D.,  
Associate Professor

Field, F. Jeffrey, M.D., Professor  
and Associate Chair for Educa-  
tional Programs

Hubel, Kenneth A., M.D.,  
Professor (Emeritus)

Johlin, Frederick Carl, M.D.,  
Associate Professor

LaBrecque, Douglas R., M.D.,  
Professor

Peleg, Ika, M.D., Associate

Qadir, Khurram, M.D., Assistant  
Professor

Rao, Satish S-C, M.D., Ph.D.,  
Associate Professor

Schedl, Harold P., M.D., Ph.D.,  
Professor (Emeritus)

Schmidt, Warren N., M.D., Ph.D.,  
Assistant Professor

Schulze, Konrad S., M.D.,  
Professor

Silverman, William B., M.D.,  
Associate Professor (Clinical)

Summers, Robert W., M.D.,  
Professor

Voigt, Michael, M.D., Associate  
Professor (Clinical)



### General Internal Medicine

Rosenthal, Gary E., M.D., Associate Professor and Division Director

Burstain, Todd, M.D., Assistant Professor (Clinical)

Beck, M. Gwen Z., M.D., Assistant Professor (Clinical)

Buckwalter, Kathleen C., Ph.D., Professor (\*Nursing, Psychiatry)

Chen, Mary R., M.D., Associate Professor (Public Health)

Doebbeling, Bradley N., M.D., Associate Professor (Public Health)

Doebbeling, Caroline P. Carney, M.D., Assistant Professor (\*Psychiatry)

Eckhardt, Richard D., M.D., Professor (Emeritus)

Ferguson, Kristi, Ph.D., Associate Professor (OCRME, \*Public Health)

Flanagan, James R., M.D., Ph.D., Associate Professor (Clinical)

Galbraith, William B., M.D., Professor (Emeritus)

Goerdt, Christopher J., M.D., Assistant Professor (Clinical)

Herwaldt, Loreen A., M.D., Associate Professor (Public Health)

Jayasingh-Ramkumar, Japhia, M.D., Assistant Professor (Clinical)

Johnson, Bruce, M.D., Professor

Johnson, Melinda J., M.D., Assistant Professor (Clinical)

Kaboli, Peter J., M.D., Associate Professor

Kaldjian, Lauris, M.D., Assistant Professor

Kaufman, Lisa M., M.D., Assistant Professor (Clinical)

LeBlond, Richard F., M.D., Professor and Director of Family Care Center (Clinical)

McFarlin, Bret A., D.O., Associate (Des Moines/Broadlawns)

Mulhausen, Paul L., M.D., Assistant Professor (Clinical)

Nisly, Nicole L., M.D., Assistant Professor (Clinical)

Peterson, Richard E., M.D., Professor (Emeritus)

Rachow, John W., M.D., Ph.D., Assistant Professor (Clinical)

Schilling, Margo, M.D., Assistant Professor (Clinical)

Schrott, Helmut G., M.D., Professor (\*Public Health)

Smith, Ian M., M.D., Professor (Emeritus)

Tobacman, Joanne K., M.D., Assistant Professor (Clinical)

Tobacman, Larry S., M.D., Professor (Biochemistry)

Wahls, Terry L., M.D., Associate Professor

Wallace, Robert, M.D., Irene Ensminger Stecher Endowed Professor (\*Public Health)

Wiblin, R. Todd, M.D., Assistant Professor

Wilson, Scott, D.O., Assistant Professor (Clinical)

Wools-Kalustian, Kara, M.D., Assistant Professor

### Hematology-Oncology, Blood and Marrow Transplantation

Hohl, Raymond J., M.D., Associate Professor and Division Director (Pharmacology)

Berg, Daniel J., M.D., Assistant Professor

Buntinas, Rasa, M.D., Associate Professor

Burns, C. Patrick, M.D., Professor

Carlisle, Thomas, M.D., Assistant Professor (Clinical)

Clamon, Gerald H., M.D., Professor

DeGowin, Richard L., M.D., Professor (Emeritus)

DeMagalhaes-Silverman, Margarida, M.D., Associate Professor (Clinical)

Gingrich, Roger D., M.D., Ph.D., Professor

Karwal, Mark W., M.D., Assistant Professor (Clinical)

Lee, Choon-Kee, M.D., Assistant Professor (Clinical)

Lentz, Steven R., M.D., Ph.D., Associate Professor

Link, Brian K., M.D., Assistant Professor and Associate Director for Residency Recruitment

Macfarlane, Donald E., M.D., Ph.D., Professor

Payne, S. Kirk, M.D., Assistant Professor (Biomedical Ethics)

Weiner, George J., M.D., C.E. Block Cancer Research Professor and Director of Holden Cancer Center

Zenk, David W., M.D., Assistant Professor (Clinical)

### Infectious Diseases

Britigan, Bradley E., M.D., Professor and Division Director

Allen, Bradley, M.D., Ph.D., Assistant Professor

Allen, Lee-Ann H., Ph.D., Assistant Professor

Denning, Gerene M., Ph.D., Adjunct Assistant Professor

Densen, Peter, M.D., Professor and Associate Dean for Student Affairs and Curriculum

Diekema, Daniel J., M.D., Assistant Professor (Clinical)

George, Sarah, M.D., Associate Professor

Helms, Charles M., M.D., Ph.D., Professor and UI Hospitals and Clinics Chief of Staff

Kirchhoff, Louis V., M.D., Professor

Kusner, David J., M.D., Ph.D., Associate Professor

Meier, Jeffrey L., M.D., Assistant Professor

Miller, Rachel A., M.D., Assistant Professor (Clinical)

Nauseef, William M., M.D., Professor

Schlesinger, Larry S., M.D., Associate Professor (\*Microbiology)

Shamsuddin, Hala, M.D., Assistant Professor (Clinical)

Stapleton, Jack T., M.D., Professor

Weiss, Jerold, Ph.D., Professor

Wilson, Mary E., M.D., Professor (Microbiology)

Winokur, Patricia, M.D., Assistant Professor

### Nephrology

Stokes, John B. III, M.D., Professor and Division Director

Bertolatus, John, M.D., Associate Professor

Christensen, Alan J., M.D., Associate Professor (\*Psychiatry)

DiBona, Gerald E., M.D., Professor, Vice Chair, and VAMC Chief of Medical Services (Physiology and Biophysics)

Dixon, Bradley S., M.D., Associate Professor

Flanigan, Michael, M.D., Associate Professor

Gordon, Joel A., M.D., Associate Professor

Hegeman, Rebecca L., M.D., Assistant Professor (Clinical)

Hunsicker, Lawrence G., M.D., Professor

Kalil, Roberto, M.D., Assistant Professor (Clinical)

Karniski, Lawrence P., M.D., Professor

Kopp, Ulla C., Ph.D., Associate Professor

Lawton, William J., M.D., Associate Professor

Lim, Victoria S., M.D., Professor

Somers, Douglas L., M.D., Assistant Professor (Clinical)

Thomas, Christie P., M.D., Associate Professor

### Pulmonary Diseases, Critical Care, and Occupational Medicine

Hunninghake, Gary William, M.D., Professor and Division Director

Bedell, George N., M.D., Professor (Emeritus)

Berger, Herbert A., M.D., Associate Professor (Clinical)

Carter, A. Brent, M.D., Assistant Professor

Cuddihy, Henri A., M.D., Associate Professor (Clinical)

Davidson, Beverly L., Ph.D., Roy J. Carver Chair in Internal Medicine and Associate Professor (Neurology, Physiology and Biophysics)

Engelhardt, John F., Ph.D., Associate Professor (\*Anatomy and Cell Biology)

Ferguson, J. Scott, M.D., Assistant Professor

Fieslemann, John F., M.D., Associate Professor (Clinical) and Director of Joint Office for Clinical Outreach and Clinical Care Coordination

Flaherty, Dawn M., M.D., Associate Professor

Fuortes, Laurence J., M.D., Associate Professor (\*Public Health)

Geist, Lois J., M.D., Associate Professor

Gross, Thomas J., M.D., Associate Professor

Hartley, Patrick G., M.D., Assistant Professor (Clinical)

Hornick, Douglas B., M.D., Associate Professor (Clinical)

Kasik, John E., M.D., Ph.D., Professor (Emeritus)

Kline, Joel N., M.D., Associate Professor

Mallampalli, Rama K., M.D., Associate Professor

McGowan, Stephen E., M.D., Professor

McLennan, Geoffrey, M.D., Associate Professor

Merchant, James A., M.D., Dr. P.H., Professor and Dean of College of Public Health

Moy, Alan B., M.D., Associate Professor (Biomedical Engineering)

Peterson, Michael W., M.D., Dr. William and Sondra Myers Family Associate Professor

Shasby, D. Michael, M.D., Professor

Singh, Pradeep K., M.D., Assistant Professor

Sprince, Nancy, M.D., Professor (\*Public Health)

Welsh, Michael J., M.D., Roy J. Carver Chair in Physiology and Biophysics, Professor and Howard Hughes Medical Institute Investigator (Physiology and Biophysics)

Wilson, Jeffrey S., M.D., Associate Professor (Clinical)

Zabner, Joseph L., M.D., Associate Professor

Zavala, Donald C., M.D., Professor (Emeritus)

Zwerling, Craig, M.D., Ph.D., Professor (\*Public Health)

#### Rheumatology

Ashman, Robert Fredrick, M.D., Professor and Division Director

(Microbiology)

Bishop, Gail A., Ph.D., Professor (\*Microbiology)

Cowdery, John S., M.D., Professor

Field, Elizabeth H., M.D., Professor

Goeken, Nancy E., Ph.D., Professor (Pathology)

Ijdo, Jacob, M.D., Ph.D., Assistant Professor

Krieg, Arthur M., M.D., Professor

Lawry, George V. II, M.D., Associate Professor (Clinical) and Associate Director for Residency Teaching Programs

Lee, Gloria, Ph.D., Associate Professor

Morita, Craig T., M.D., Ph.D., Associate Professor

Peloso, Paul, M.D., Associate Professor

Rizzo, Warren, M.D., Assistant Professor

Strottmann, M. Paul, M.D., Professor (Clinical) (Orthopaedic Surgery)

Tuetken, Rebecca S., M.D., Ph.D., Assistant Professor (Clinical)

Vogelgesang, Scott A., M.D., Associate Professor (Clinical)

#### Clinical Faculty

Adams, Russell, M.D., Clinical Assistant Professor (Waterloo)

Alexander, Saramma J., M.B.B.S., Clinical Assistant Professor (Des Moines)

Allen, Daniel P., M.D., Clinical Assistant Professor (Des Moines)

Andringa, Dale J., M.D., Clinical Assistant Professor (Des Moines)

Baker, Lynda A., M.D., Clinical Assistant Professor (Des Moines)

Baller, John T., M.D., Clinical Assistant Professor (Sioux City)

Bassiri, Rahim M., M.D., Clinical Assistant Professor (Des Moines)

Basu, Hriden N., M.D., Clinical Assistant Professor (Waterloo)

Bate, Walter W., M.D., Clinical Assistant Professor (Mason City)

Bear, Phillip A., D.O., Clinical Instructor (Des Moines)

Beasley, Byron T., M.D., Clinical Assistant Professor (Mason City)

Beasley, Oscar C., M.D., Clinical Associate Professor (Emeritus) (Iowa City)

Bennett, John P., M.D., Clinical Assistant Professor (Mount Pleasant)

Bittleman, David B., M.D., Clinical Assistant Professor (Mt. Pleasant)

Brinkman, John H., M.D., Clinical Associate Professor (Mason City)

Brooks, Michael S., M.D., Clinical Assistant Professor (Cedar Rapids)

Brown, Thomas M. Jr., M.D., Clinical Assistant Professor (Des Moines)

Campbell, Cam E., M.D., Clinical Instructor (Iowa City)

Caplan, Robert H., M.D., Clinical Associate Professor (La Crosse, Wis.)

Caughlan, Charles R., M.D., Clinical Assistant Professor (Mason City)

Champion, Craig M., M.D., Clinical Associate Professor (Iowa City)

Chandran, Prem K.G., M.D., Clinical Associate Professor (Des Moines)

Chandran, Vimala V., M.D., Clinical Assistant Professor (Des Moines)

Covert, Christopher M., D.O., Clinical Instructor (Des Moines)

Craig, Steven R., M.D., Clinical Associate Professor (West Des Moines)

Dahlberg, Phillip J., M.D., Clinical Assistant Professor (La Crosse, Wis.)

Davis, Wilson L., M.D., Clinical Instructor (Keokuk)

Dusdieker, Nile S., M.D., Clinical Assistant Professor (Cedar Rapids)

Ellis, John J., M.D., Clinical Assistant Professor (Muscatine)

Espeland, Susan L., M.D., Clinical Assistant Professor (Des Moines)

Ewing, R. Joe, M.D., Clinical Instructor (Iowa City)

Eyanson, Steven, M.D., Clinical Assistant Professor (Cedar Rapids)

Faust, Ethel F., M.D., Clinical Instructor (Des Moines)

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Flood, Michael T., D.O., Clinical Assistant Professor (Des Moines)

George, Suku, M.D., Clinical Assistant Professor (Waterloo)

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Ghali, Magdi G.H., M.D., Clinical Assistant Professor (Des Moines)

Ghrist, John H., M.D., Clinical Instructor (Des Moines)

Gibson, Jon D., M.D., Clinical Assistant Professor (Des Moines)

Gilliland, James L., D.O., Clinical Assistant Professor (Davenport)

Glasser, James E., M.D., Clinical Instructor (LaCrosse, Wis.)

Glazier, Adam J. Jr., M.D., Clinical Assistant Professor (Des Moines)

Glynn, Russell D., M.D., Clinical Associate Professor (Des Moines)

Gordon, David F., M.D., Clinical Assistant Professor (Des Moines)

Guest, Katrina A., M.D., Clinical Instructor (Des Moines)

Habak, Phillip A., M.D., Clinical Assistant Professor (Davenport)

Hade, Joel E., M.D., Clinical Assistant Professor (Des Moines)

Hakes, Thomas E., M.D., Clinical Instructor (Keokuk)

Hanson, Randall R., M.D., Clinical Assistant Professor (Des Moines)

Hazelton, Lisa M., M.D., Clinical Assistant Professor (Cedar Rapids)

Hicklin, Gregory A., M.D., Clinical Assistant Professor (Des Moines)

Iannone, Liberato A., M.D., Clinical Assistant Professor (Des Moines)

Jones, Shelly A., M.D., Clinical Instructor (Des Moines)

Josephson, Nathan, M.D., Clinical Professor (Des Moines)

Kathol, Roger G., M.D., C.P.E., Clinical Professor (Iowa City)

Keimowitz, Rudolph M., M.D., Clinical Instructor (La Crosse, Wis.)

Kwirant, James A., M.D., Clinical Assistant Professor (Muscatine)

Larsen, Karl, M.D., Clinical Associate Professor (Iowa City)

Larson, Charles C., M.D., Clinical Assistant Professor (Des Moines)

Lemon, David K., M.D., Clinical Assistant Professor (Des Moines)

Link, Charles, M.D., Clinical Assistant Professor (Des Moines)

Lockhart, Jack M., M.D., Clinical Instructor (La Crosse, Wis.)

Loungani, Ramesh R., M.D., Clinical Associate Professor (Des Moines)

Lovell, James P., D.O., Clinical Instructor (Des Moines)

Lozier, Charles O., M.D., Clinical Instructor (Des Moines)

Matthew, James, M.D., Clinical Associate Professor (Galesburg, Ill.)

McIntosh, Thomas J., M.D., Clinical Professor (Cedar Rapids)

Nayersina, Hooshmand, M.D., Clinical Assistant Professor (Des Moines)

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Park, Hee-Chull, M.D., Clinical Assistant Professor (Des Moines)

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Paynter, Donald E., M.D., M.S., Clinical Assistant Professor (Cedar Rapids)

Piros, James G., M.D., Clinical Assistant Professor (Des Moines)

Purtle, Mark W., M.D., Clinical Assistant Professor (Des Moines)

Questad, Deanna L., M.D., Clinical Assistant Professor (Des Moines)

Radia, Mary A., D.O., Clinical Instructor (Des Moines)

Reider, Ronald, M.D., Clinical Assistant Professor (Cedar Rapids)

Robb, Eileen M., M.D., Clinical Instructor (Des Moines)

Rosenberger, Jay A., D.O., Clinical Instructor (Des Moines)

Runde, Mark P., M.D., Clinical Instructor (Dubuque)

Ruzkowski, Charles J., M.D., Clinical Instructor (Des Moines)

Senneff-Stewart, Martha J., M.D., Clinical Instructor (Des Moines)

Shaddur, Craig A., M.D., Clinical Associate Professor (Des Moines)

Sidny, Rebecca S., D.O., Clinical Instructor (Des Moines)

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Slavin, Michael J., D.O., Clinical Assistant Professor (Waterloo)

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Stark, Craig A., M.D., Clinical Assistant Professor (Des Moines)

Thoreson, Joseph D., M.D., Clinical Assistant Professor (Mason City)

Tragoon, Steve, M.D., Clinical Assistant Professor (Des Moines)

Trimble, Richard B., M.D., Clinical Associate Professor (Mason City)

VanBramer, Edward L., M.D., Clinical Instructor (Sioux City)

Veach, Lisa A., M.D., Clinical Assistant Professor (Des Moines)

VerSteege, Dirk A., M.D., Clinical Assistant Professor (Des Moines)

Vickstrom, Douglas, M.D., Clinical Assistant Professor (Des Moines)

Viturawong, Vichit, M.D., Clinical Assistant Professor (Des Moines)

Weiss, Robert F., M.D., Clinical Assistant Professor (Muscatine)

Wilde, James G., M.D., Clinical Instructor (LaCrescent, MN)

Wilkinson, Susan M., M.D., Clinical Instructor (Des Moines)

Williams, Chad L., M.D., Clinical Associate Professor (Des Moines)

Winga, Edward R., M.D., Clinical Assistant Professor (La Crosse, Wis.)

Yans, Javad, M.D., Clinical Associate Professor (Des Moines)

Yost, William J., D.V.M., M.D., Clinical Assistant Professor (Des Moines)

Zurbriggen, Thomas L., M.D., Clinical Instructor (Onalaska, Wis.)

## MICROBIOLOGY

3-403 Bowen Science Building  
319/335-7810



Apicella, Michael A., M.D., Professor and Department Head

Ashman, Robert F., M.D., Professor (\*Internal Medicine)

Bishop, Gail A., Ph.D., Professor (Internal Medicine)

Butler, John E., Ph.D., Professor

Cazin, John Jr., Ph.D., Professor (Emeritus)

Clegg, Steven, Ph.D., Professor

Cox, Charles D., Ph.D., Professor

Dailey, Morris O., Ph.D., M.D., Associate Professor (\*Pathology)

Daniels, Lacy, Ph.D., Professor

Feiss, Michael G., Ph.D., Professor

Gibson, David Thomas, Ph.D., Professor

Greenberg, E. Peter, Ph.D., Virgil L. and Evalyn Shepperd Professor of Molecular Pathogenesis

Grose, Charles F., M.D., Professor (\*Pediatrics)

Harty, John T., Ph.D., Associate Professor

Harwood, Caroline S., Ph.D., Professor

Hoffmann, Louis G., Sc.D., Professor (Emeritus)

Johnson, William, Ph.D., Professor

Jones, Bradley D., Ph.D., Associate Professor

Klingelhutz, Al J., Ph.D., Assistant Professor

Lubaroff, David M., Ph.D., Professor (\*Urology)

Martin, Brian K., Ph.D., Assistant Professor

Maury, Wendy J., Ph.D., Assistant Professor

McCarter, Linda L., Ph.D., Associate Professor

Perlman, Stanley, M.D., Ph.D., Professor (\*Pediatrics)

Ratliff, Timothy L., Ph.D., Anderson-Hebbeln Professor (\*Urology)

Richardson, Robert L., Ph.D., Associate Professor (Emeritus)

Rodriguez, Jose E., Ph.D., Associate Professor (Emeritus)

Roller, Richard J., Ph.D., Associate Professor

Schlesinger, Larry S., M.D., Associate Professor (\*Internal Medicine)

Six, Erich W., Ph.D., Professor (Emeritus)

Stahly, Donald P., Ph.D., Professor (Emeritus)

Stauffer, George V., Ph.D., Professor

Stinski, Mark F., Ph.D., Professor

Stoltzfus, C. Martin, Ph.D., Professor

Tack, Brian F., Ph.D., Adjunct Professor

Weiss, David Scott, Ph.D., Assistant Professor

Weiss, Jerrold P., Ph.D., Professor (\*Internal Medicine)

Wilson, Mary E., M.D., Professor (\*Internal Medicine)

## NEUROLOGY

2007 Roy Carver Pavilion  
319/356-2580



Damasio, Antonio R., M.D., Maurice Van Allen Professor of Neurology and Department Head

Adams, Harold P., M.D., Professor

Adolphs, Ralph, Ph.D., Assistant Professor

Afifi, Adel K., M.D., Professor (\*Pediatrics, Anatomy and Cell Biology)

Anderson, Steven W., Ph.D., Assistant Professor

Aul, Edward A., M.D., Assistant Professor (Clinical)

Barrash, Joseph, Ph.D., Adjunct Assistant Professor

Bechara, Antoine, Ph.D., M.D., Assistant Professor (Anatomy and Cell Biology)

Bell, William E., M.D., Professor (Emeritus) (\*Pediatrics)

Benton, Arthur L., Ph.D., Professor (Emeritus) (\*Psychology)

Bonthius, Daniel Joseph, Ph.D., M.D., Assistant Professor (\*Pediatrics)

Brenton, Douglas W., M.D., Adjunct Clinical Assistant Professor (Des Moines)

Campbell, Kevin P., Ph.D., Roy J. Carver Chair in Physiology and Biophysics, UI Foundation Distinguished Professor and

Howard Hughes Medical Institute Investigator (\*Physiology and Biophysics)

Cooper, Gregory E., M.D., Ph.D., Assistant Professor

Damasio, Hanna C., M.D., UI Foundation Distinguished Professor

Davidson, Beverly L., Ph.D., Roy J. Carver Chair in Internal Medicine and Associate Professor (\*Internal Medicine, Physiology and Biophysics)

Davis, Patricia H., M.D., Associate Professor

Doro, Joseph M., D.O., Adjunct Clinical Assistant Professor (Des Moines)

Dyken, Mark E., M.D., Associate Professor

Fattal, Deema A., M.D., Associate

Fincham, Richard W., M.D., Professor (Emeritus)

Geweke, Lynne O., M.D., Assistant Professor (Clinical)

Grabowski, Thomas J., M.D., Associate Professor

Granner, Mark A., M.D., Associate Professor (Clinical)

Hayreh, Sant M.S., M.D., Clinical Assistant Professor (Mason City)

Howard, Matthew A., M.D., Associate Professor (\*Surgery)

Jones, Robert, Ph.D., Adjunct Assistant Professor

Kimura, Jun, M.D., Professor

Lee, Andrew G., M.D., Associate Professor (\*Ophthalmology and Visual Sciences, Surgery)

Lim, Ramon, M.D., Ph.D., Professor

Mathews, Katherine, M.D., Associate Professor (\*Pediatrics)

Parvizi, Josef, M.D., Visiting Associate

Paulson, Henry L., M.D., Ph.D., Assistant Professor

Paulsen, Jane S., Ph.D., Associate Professor (\*Psychiatry, Psychology)

Rizzo, Matthew, M.D., Professor (Engineering)

Rockland, Charles, Ph.D., Adjunct Professor

Rockland, Kathleen L., Ph.D., Professor

Rodnitzky, Robert L., M.D., Professor

Shivapour, Ezzatollah, M.D., Associate Professor (Clinical)

Subbiah, Bakkiyam, M.D., Adjunct Clinical Assistant Professor (Bettendorf)

Talman, William T., M.D., Professor

Tippin, Jon M., M.D., Assistant Professor (Clinical)

Tranel, Daniel T., Ph.D., Professor (Psychology)

Van Hoesen, Gary W., Ph.D., Professor (\*Anatomy and Cell Biology)

Wall, Michael, M.D., Professor (Ophthalmology and Visual Sciences)

Yamada, Thoru, M.D., Professor

Yeh, Malcolm H., M.D., Assistant Professor (Clinical)

Zaheer, Asgar, Ph.D., Adjunct Assistant Professor

## OBSTETRICS AND GYNECOLOGY

E413 General Hospital

319/356-3605



Niebyl, Jennifer R., M.D., Professor and Department Head

Anderson, Barrie, M.D., Professor

Andrews, Jane I., M.D., Associate

Ault, Kevin A., M.D., Assistant Professor

Banitt, Lisa M., M.D., Assistant Professor (Clinical)

Benda, Jo Ann, M.D., Professor (\*Pathology)

Betts, Lawrence T., M.D., Clinical Lecturer (Waterloo)

Bladel, Karla Ann, M.D., Clinical Lecturer

Bowdler, Noelle C., M.D., Associate Professor (Clinical)

Bradbury, James T., Sc.D., Ph.D., Professor (Emeritus)

Buller, Richard E., M.D., Ph.D., Professor (Pharmacology)

Cada, Sarah A., M.D., Associate

Chapler, Frederick K., M.D., Keettel Professor (Emeritus)

Davidson, Jill E., M.D., Clinical Assistant Professor (Onalaska, Wis.)

Davis, William A., M.D., Assistant Professor (Clinical)

deProse, Charles A., M.D., Associate Professor (Emeritus)

Dokras, Jagasia Anuja, Ph.D., Assistant Professor

Edgerton, Winfield D., M.D., Clinical Professor (Davenport)

Elson, Marygrace, M.D., Associate Professor (Clinical)

Emge, Kevin R., D.O., Clinical Lecturer

Engeldinger, Jane, M.D., Associate Professor (Clinical)

Galask, Rudolph P., M.D., Professor (Dermatology)

Gellhaus, Thomas M., M.D., Clinical Lecturer (Davenport)

Goplerud, Clifford P., M.D., Professor (Emeritus)

Hagen, Edward J., M.D., Clinical Lecturer (Sioux City)

Hansen, Delos D., M.D., Clinical Lecturer (Davenport)

Hansen, Wendy F., M.D., Assistant Professor (Clinical)

Hedican, Robert E. Jr., M.D., Clinical Lecturer (Waterloo)

Hesse, Charles F., M.D., Clinical Lecturer (Iowa City)

Hughes, Lowell R., M.D., Associate Professor (Emeritus)

Hunter, Stephen K., Ph.D., M.D., Assistant Professor (Biomedical Engineering)

Jabbari, Gholam H., M.D., Clinical Instructor (Muscatine)

Johnson, Susan R., M.D., Professor and Associate Dean for Faculty Affairs

Kerns, Eugene L., M.D., Clinical Lecturer (Davenport)

Kretschmar, Robert M., M.D., Clinical Professor (Iowa City)

Kuffel, Mary E., M.D., Clinical Associate Professor

Laros, Ann, M.D., Assistant Professor (Clinical)

Luepke, Michael B., M.D., Clinical Assistant Professor (Des Moines)

Mader, Michael H., M.D., Clinical Associate Professor

Mahone, Paula, M.D., Clinical Lecturer

Markham, Sanford M., M.D., Associate Professor (Clinical)

Mayr, Nina, M.D., Associate Professor (\*Radiology)

Merkitch, Kenneth W., M.D., Clinical Assistant Professor (La Crosse, Wis.)

Mihm, Harold L., M.D., Clinical Lecturer (Davenport)

Naylor, Kenneth L., M.D., Clinical Lecturer (Davenport)

Nygaard, Ingrid E., M.D., Associate Professor

Olsen, Ambre, M.D., Assistant Professor

Paulsen, Grant L., M.D., Clinical Associate Professor

Peck, Theodore Morton, M.D., Clinical Assistant Professor

Railsback, Linda D., M.D., Clinical Assistant Professor (Des Moines)

Renwick, Rick F., M.D., Clinical Assistant Professor

Rijhsinghani, Asha, M.B.B.S., Associate Professor

Schauberger, Charles, M.D., Clinical Associate Professor (Onalaska, Wis.)

Shaw, Rebecca D., M.D., Clinical Associate Professor

Shirk, Gerald J., M.D., Clinical Associate Professor (Cedar Rapids)

Shirts, Steven R., M.D., Clinical Assistant Professor (Des Moines)

Smith, Elaine M., M.P.H., M.B.A., Ph.D., Professor (\*Public Health, Dentistry)

Sood, Anil K., M.D., Assistant Professor

Sorosky, Joel I., M.D., Professor

Syrop, Craig H., M.D., Professor

Van Voorhis, Bradley, M.D., Associate Professor

Vibhakar, Jill Lynelle, M.D., Assistant Professor (Clinical)  
 Wetrich, David W., M.D., Clinical Professor (Ottumwa)  
 Williamson, Roger A., M.D., Professor  
 Xuereb, Dennis, M.D., Clinical Assistant Professor (Bettendorf)  
 Yang, Baoli, Ph.D., M.D., Assistant Professor  
 Yankowitz, Jerome, M.D., Associate Professor  
 Zlatnik, Frank J., M.D., Professor

#### OPHTHALMOLOGY AND VISUAL SCIENCES

11136 Pomerantz Family Pavilion  
 319/356-2866



Weingeist, Thomas A., Ph.D., M.D., Professor and Department Head

Alward, Wallace L.M., M.D., Professor  
 Apsiaouri, Nato, M.D., Ph.D., Associate  
 Beaver, Hilary A., M.D., Assistant Professor (Clinical)  
 Boldt, Herbert Culver, M.D., Associate Professor  
 Butterworth, Sara L., O.D., Assistant Professor (Clinical)  
 Carter, Keith D., M.D., Associate Professor  
 Dillman, Drew B., M.D., Clinical Instructor (Iowa City)  
 Dwyer, David S., M.D., Clinical Instructor (West Des Moines)  
 Folk, James C., M.D., Professor

Gehrs, Karen M., M.D., Assistant Professor (Clinical)  
 Grignon, Constance, M.D.C.M., Clinical Assistant Professor (Des Moines)  
 Hageman, Gregory S., Ph.D., Professor  
 Hayreh, Sohan Singh, M.D., Ph.D., D.Sc., Professor (Emeritus)  
 Hofmann, R. Josef, M.D., Clinical Assistant Professor (Davenport)  
 Johnson, A. Timothy, M.D., Ph.D., Associate Professor (Clinical)  
 Johnson, Steven C., M.D., Clinical Instructor (West Des Moines)  
 Judisch, G. Frank, M.D., Professor (Emeritus)  
 Kardon, Randy H., M.D., Ph.D., Associate Professor  
 Keech, Ronald V., M.D., Professor  
 Kirschling, Brian R., O.D., Assistant Professor (Clinical)  
 Kolder, Hansjoerg E., M.D., Ph.D., Professor (Emeritus)  
 Kutschke, Pamela J.H., C.O., Adjunct Instructor  
 Kwon, Young H., M.D., Ph.D., Assistant Professor (Clinical)  
 Lee, Andrew G., M.D., Associate Professor (Surgery, Neurology)  
 Lotery, Andrew J., M.D., Assistant Professor  
 Nerad, Jeffrey A., M.D., Professor  
 Oetting, Thomas A., M.D., Assistant Professor (Clinical)  
 Ossoinig, Karl C., M.D., Professor (Emeritus)  
 Perkins, Edward S., M.D., Ph.D., Professor (Emeritus)  
 Russell, Stephen R., M.D., Associate Professor  
 Scott, William E., M.D., Professor  
 Sindt, Christine W., O.D., Assistant Professor (Clinical)

Johnson, Steven C., M.D., Clinical Instructor (West Des Moines)  
 Judisch, G. Frank, M.D., Professor (Emeritus)  
 Kardon, Randy H., M.D., Ph.D., Associate Professor  
 Keech, Ronald V., M.D., Professor  
 Kirschling, Brian R., O.D., Assistant Professor (Clinical)  
 Kolder, Hansjoerg E., M.D., Ph.D., Professor (Emeritus)  
 Kutschke, Pamela J.H., C.O., Adjunct Instructor  
 Kwon, Young H., M.D., Ph.D., Assistant Professor (Clinical)  
 Lee, Andrew G., M.D., Associate Professor (Surgery, Neurology)  
 Lotery, Andrew J., M.D., Assistant Professor  
 Nerad, Jeffrey A., M.D., Professor  
 Oetting, Thomas A., M.D., Assistant Professor (Clinical)  
 Ossoinig, Karl C., M.D., Professor (Emeritus)  
 Perkins, Edward S., M.D., Ph.D., Professor (Emeritus)  
 Russell, Stephen R., M.D., Associate Professor  
 Scott, William E., M.D., Professor  
 Sindt, Christine W., O.D., Assistant Professor (Clinical)

Stamler, John F., M.D., Ph.D., Clinical Instructor (Iowa City)  
 Stone, Edwin M., M.D., Ph.D., Professor  
 Strnad, Lyse S., M.D., Clinical Instructor (Iowa City)  
 Sutphin, John E., M.D., Professor (Clinical)  
 Thompson, Herbert Stanley, M.D., Professor (Emeritus)  
 Wagoner, Michael D., M.D., Professor (Clinical)  
 Wall, Michael, M.D., Professor (\*Neurology)  
 Wilkinson, Mark E., O.D., Assistant Professor (Clinical)  
 Wolken, Stephen H., M.D., Clinical Assistant Professor (Iowa City)

#### ORTHOPAEDIC SURGERY

01012Z John Pappajohn Pavilion  
 319/356-2383



Buckwalter, Joseph A., M.D., Professor and Department Head

Adams, Brian D., M.D., Professor  
 Albright, John P., M.D., Professor  
 Aly, Al S., M.D., Assistant Professor (Clinical) (\*Surgery, Otolaryngology)  
 Brand, Richard A., M.D., Professor (Engineering, Exercise Science)  
 Brown, Thomas D., Ph.D., Professor and Richard C. Johnston Chair (Engineering)

Bunten, Ronald K., M.D., Clinical Assistant Professor (Des Moines)  
 Callaghan, John J., M.D., Professor  
 Canady, John W., M.D., Associate Professor (\*Surgery, Otolaryngology)  
 Chang, Phyllis, M.D., Associate Professor (\*Surgery, Otolaryngology)  
 Chen, Joseph, M.D., Assistant Professor  
 Clark, Charles R., M.D., Professor (Engineering)  
 Cooper, Reginald R., M.D., Carroll B. Larson Chair and Professor  
 Cram, Albert E., M.D., Professor (\*Surgery, Otolaryngology)  
 Dietz, Frederick R., M.D., Professor  
 El-Khoury, Georges Y., M.D., Professor (\*Radiology)  
 Found, Ernest M., M.D., Associate Professor  
 Glaser, John, M.D., Associate Professor  
 Johnston, Richard C., M.D., Clinical Professor  
 Kadiyala, Kumar Rajendra, Ph.D., M.D., Assistant Professor  
 Marsh, John Lawrence, M.D., Professor  
 Maynard, Jerry A., Ph.D., Professor (\*Exercise Science)  
 McKinley, Todd O., M.D., Assistant Professor  
 Mysnyk, Mark C., M.D., Clinical Assistant Professor (Iowa City)  
 Nepola, James V., M.D., Professor  
 Ponseti, Ignacio V., M.D., Professor (Emeritus)  
 Pontarelli, William R., M.D., Associate Professor (Clinical) (Iowa City)  
 Puhl, James J., M.D., Clinical Assistant Professor (Iowa City)

Saltzman, Charles L., M.D., Associate Professor  
 Stanford, Clark M., D.D.S., Ph.D., Associate Professor (\*Dentistry)  
 Steyers, Curtis M., M.D., Professor  
 Strottmann, M. Paul, M.D., Professor (Clinical) (\*Internal Medicine)  
 Tearse, David S., M.D., Associate Professor (Clinical)  
 Weinstein, Stuart L., M.D., Ignacio V. Ponseti Chair and Professor

#### OTOLARYNGOLOGY

21201 Pomerantz Family Pavilion  
 319/356-2173



Gantz, Bruce J., M.D., Brian F. McCabe Distinguished Chair, Professor, and Department Head

Abbas, Paul J., Ph.D., Professor (\*Speech Pathology and Audiology)  
 Alt, L. Peter, M.D., Clinical Assistant Professor (Dubuque)  
 Aly, Al S., M.D., Assistant Professor (Clinical) (\*Surgery, Orthopaedic Surgery)  
 Bardach, Janusz, M.D., Professor (Emeritus) (Surgery)  
 Bauman, Nancy M., M.D., Associate Professor  
 Brown, Carolyn Jane, Ph.D., Associate Professor (\*Speech Pathology and Audiology)  
 Brown, Robert T., M.D., Clinical Assistant Professor (Des Moines)

Browning, Margaret, M.D.,  
Assistant Professor (Clinical)

Canady, John W., M.D., Associate  
Professor (\*Surgery, Orthopaedic  
Surgery)

Carithers, Jeffrey S., M.D.,  
Clinical Assistant Professor (Des  
Moines)

Chang, Phyllis, M.D., Associate  
Professor (\*Surgery, Orthopaedic  
Surgery)

Cram, Albert E., M.D., Professor  
(\*Surgery, Orthopaedic Surgery)

Ericson, Thomas A., M.D.,  
Clinical Assistant Professor (Des  
Moines)

Finnegan, Eileen, Ph.D., Assistant  
Professor

Funk, Gerry F., M.D., Associate  
Professor

Graham, Scott M., M.D., Ph.D.,  
Associate Professor

Herwig, Steven R., D.O., Clinical  
Assistant Professor (Des Moines)

Hoffman, Henry T., M.D.,  
Professor

Karnell, Michael P., Ph.D.,  
Associate Professor (Speech  
Pathology and Audiology)

Kremenak, Charles R., Professor  
(Emeritus) (\*Dentistry)

La Velle, William E., D.D.S.,  
Professor (Emeritus)

Lee, Phillip C., M.D., Clinical  
Instructor (Mason City)

Luschei, Erich S., Ph.D., Professor  
(Emeritus) (\*Speech Pathology  
and Audiology)

Maschka, Donald A., M.D.,  
Clinical Assistant Professor

McCabe, Brian F., M.D., Professor  
(Emeritus)

McCulloch, Timothy M., M.D.,  
Associate Professor

Merrick, Richard B., M.D.,  
Clinical Assistant Professor (Des  
Moines)

Morris, Hughlett Lewis, Ph.D.,  
Professor (Emeritus) (\*Speech  
Pathology and Audiology)

Olin, William Harold, D.D.S.,  
Professor (Emeritus) (Dentistry)

Peterson, I. Eugene, M.D., Clinical  
Assistant Professor (Des Moines)

Rubinstein, Jay T., Ph.D., M.D.,  
Associate Professor (Physiology  
and Biophysics)

Schurtz, Russell E., M.D., Clinical  
Instructor (Mason City)

Smith, Richard J.H., M.D., Sterba  
Hearing Research Professor

Tomblin, J. Bruce, Ph.D.,  
Professor (\*Speech Pathology and  
Audiology)

Trask, Douglas K., M.D.,  
Assistant Professor

Turner, Christopher W., Ph.D.,  
Professor (\*Speech Pathology and  
Audiology)

Tyler, Richard S., Ph.D., Professor  
(Speech Pathology and Audiology)

Van Demark, Duane R., Ph.D.,  
Professor (Emeritus) (Speech  
Pathology and Audiology)

Zlab, Mark K., M.D., Clinical  
Assistant Professor (Des Moines)

#### **PATHOLOGY**

1117 Medical Laboratories

319/335-8229



**Cohen, Michael B., M.D., Professor and  
Department Head (Urology, Public  
Health)**

Baumbach, Gary L., M.D.,  
Professor

Benda, Jo Ann, M.D., Professor  
(Obstetrics and Gynecology)

Bowman, Mark A., Ph.D.,  
Associate Professor (Clinical)

Buck, Dorryl L. Jr., M.D., Clinical  
Associate Professor (Cedar  
Rapids)

Cook, Robert T., M.D., Ph.D.,  
Professor

Dailey, Morris O., Ph.D., M.D.,  
Associate Professor (Microbiol-  
ogy)

De Young, Barry R., M.D.,  
Associate Professor

Dick, Fred R., M.D., Professor

Doern, Gary V., Ph.D., Professor  
(Public Health)

Feld, Ronald D., Ph.D., Associate  
Professor

Fletcher, Mavis S., M.D., Assistant  
Professor (Clinical)

Goeken, James A., M.D.,  
Professor

Goeken, Nancy, Ph.D., Professor  
(\*Internal Medicine)

Goodin, Julia C., M.D., Adjunct  
Associate Professor (Des Moines)

Haugen, Thomas H., M.D., Ph.D.,  
Associate Professor

Jensen, Chris M., M.D., Assistant  
Professor (Clinical)

Johnson, George E., Ph.D.,  
Professor

Jones, Ronald N., M.D., Professor

Kemp, John D., M.D., Professor

Kirby, Patricia Anne, M.D.,  
Assistant Professor (Clinical)

Knudson, Charles Michael, Ph.D.,  
M.D., Assistant Professor

Koerner, Theodore A.W., M.D.,  
Ph.D., Associate Professor

Koontz, Franklin P., Ph.D.,  
Professor

Lutz, Charles T., M.D., Ph.D.,  
Professor

Lynch, Charles F., Ph.D., M.D.,  
Professor (\*Public Health)

Lynch, Richard G., M.D., Clement  
T. & Sylvia H. Hanson Chair in  
Immunology and Professor

Mitros, Frank A., M.D., Professor

Moore, Steven A., Ph.D., M.D.,  
Professor

O'Connor, James E., M.D.,  
Associate

Pfaller, Michael A., M.D.,  
Professor (Public Health)

Platz, Charles E., Professor  
(Emeritus)

Randall, Bradley B., M.D.,  
Clinical Associate Professor (Sioux  
Falls, S. D.)

Roberts, Pamela L., B.S., Lecturer

Robinson, Robert A., Ph.D.,  
M.D., Frederic W. Stamler  
Professor in Anatomical Pathology

Rokhlin, Oskar W., Ph.D.,  
Adjunct Professor

Rosenthal, Nancy, M.D.,  
Associate Professor (Clinical)

Schlueter, Annette, Ph.D., M.D.,  
Assistant Professor

Schwabbauer, Marian H., Ph.D.,  
Professor (Clinical), Director of  
Division of Associated Medical  
Sciences, and Assistant Dean for  
Student Affairs and Curriculum

Stamler, Frederic W., M.D.,  
Professor (Emeritus)

Stone, Mary S., M.D., Associate  
Professor (\*Dermatology)

Strauss, Ronald G., M.D.,  
Professor (Pediatrics)

Timmerman, Timothy, M.D.,  
Assistant Professor (Clinical)

Tucker, Robert D., Ph.D., M.D.,  
Associate Professor

Turek, Lubomir P., M.D.,  
Professor

Turner, John F., M.D., Assistant  
Professor (Clinical)

Vasef, Mohammad A., M.D.,  
Assistant Professor (Clinical)

Vincent, Steven D., D.D.S.,  
Professor (Dentistry)

Waldschmidt, Thomas, Ph.D.,  
Professor

Witte, David L., Ph.D., M.D.,  
Clinical Associate Professor  
(Ottumwa)

#### **PEDIATRICS**

2636 John Colleton Pavilion

319/356-2296



**Morriss, Frank H. Jr., M.D., Professor and  
Department Head**

Perlman, Stanley, M.D., Ph.D.,  
Professor and Department Vice  
Chair (Microbiology)

McGuinness, Gail A., M.D.,  
Professor and Associate Chair for  
Education

#### **Allergy-Pulmonary**

Weinberger, Miles M., M.D.,  
Professor and Division Director

Abu-Hasan, Mutasim, M.D.,  
Assistant Professor (Clinical)

Ahrens, Richard C., M.D.,  
Associate Professor

McCray, Paul B., M.D., Associate  
Professor

Smith, Jeffrey J., M.D., Associate  
Professor (Clinical)

### Cardiology

Mahoney, Larry T., M.D., Professor and Division Director (Public Health)

Atkins, Dianne L., M.D., Associate Professor

Edens, R. Erik, M.D., Ph.D., Assistant Professor

Fagan, Thomas E., M.D., Assistant Professor (Clinical)

Lamb, Fred S., M.D. Ph.D., Assistant Professor

Lauer, Ronald M., M.D., Professor (Public Health)

Law, Ian, M.D., Assistant Professor (Clinical)

Morriss, M. Jill, M.D., Associate Professor (Clinical)

Pyeich, Vickie M. Diamandakis, M.D., Assistant Professor (Clinical)

Scholz, Thomas D., M.D., Associate Professor

Schutte, Brian, Ph.D., Assistant Professor

### Critical Care

Kelleher, Michael D., M.D., Associate Professor (Clinical) and Division Director

Edens, R. Erik, M.D., Ph.D., Assistant Professor

George, Carrie, M.D., Assistant Professor

Lamb, Fred S., M.D., Ph.D., Assistant Professor

Lobas, Jeffrey G., M.D., Associate Professor (Clinical)

Moreland, Jessica G., M.D., Assistant Professor

### Developmental Disabilities

Van Dyke, Don C., M.D., Associate Professor and Division Director (Public Health)

Lin-Dyken, Deborah C., M.D., Assistant Professor (Clinical)

McBrien, Dianne M., M.D., Assistant Professor (Clinical)

Sherbondy, Andrea L., M.D., Assistant Professor (Clinical)

### Endocrinology

Tsalikian, Eva, M.D., Associate Professor and Division Director

Donohoue, Patricia A., M.D., Associate Professor

Hoffman, Robert P., M.D., Associate Professor

Kelch, Robert P., M.D., Professor and Dean of the College of Medicine

### Gastroenterology

Bishop, Warren P., M.D., Associate Professor and Division Director

Pashankar, Dinesh, M.D., Assistant Professor (Clinical)

Uc, Aliye, M.D., Associate

### General Pediatrics and Adolescent Medicine

Dungy, Claibourne I., M.D., M.P.H., Professor and Division Director

Brink, Daniel, M. D., Fellow Associate (Chief Resident)

Cruikshank, Brenda, M.D., Associate Professor (Clinical)

D'Alessandro, Donna M., M.D., Assistant Professor

Dusdieker, Lois B., M.D., Associate Professor

Gisslen, Gretchen, M.D., Assistant Professor (Clinical)

Hall, James, Ph.D., Associate Professor (Social Work)

Larew, Mary S., M.D., Assistant Professor (Clinical)

Link, Ellen A., M.D., Assistant Professor (Clinical)

Loening-Baucke, Vera, M.D., Professor

Murph, Jody R., M.D., Associate Professor

Sullivan, Shannon, M.D., Assistant Professor (Clinical)

Walton, Stacie, M.D., Assistant Professor (Clinical)

Woodhead, Jerold C., M.D., Sahai Family Associate Professor of Medical Education

### Genetics

Sheffield, Val C., Ph.D., M.D., Professor, Howard Hughes Medical Institute Associate Investigator, and Division Director

Kanis, Adam B., Ph.D., M.D., Assistant Professor (Clinical)

Keppler-Noreuil, Kim, M.D., Assistant Professor (Clinical)

Murray, Jeffrey C., M.D., Professor (Dentistry, Biological Sciences, Public Health)

Patil, Shivanand R., Ph.D., Professor

Van Dyke, Don C., M.D., Associate Professor (Public Health)

Weir, Robert F., Ph.D., Richard M. Caplan Chair in Biomedical Ethics and Medical Humanities, Professor (Biomedical Ethics, Religion)

Willing, Marcia C., Ph.D., M.D., Associate Professor

### Hematology/Oncology

O'Dorisio, M. Sue, M.D., Ph.D., University of Iowa Foundation Distinguished Professor and Division Director

Di Paola, Jorge, M.D., Associate

Goldman, Frederick D., M.D., Associate Professor

Kisker, C. Thomas, M.D., Professor

Loew, Thomas W., M.D., Associate Professor (Clinical)

Tannous, Raymond, M.D., Associate Professor

### Infectious Diseases

Grose, Charles F., M.D., Professor and Division Director (Microbiology)

Perlman, Stanley, M.D., Ph.D., Professor and Department Vice Chair (Microbiology)

### Neonatology

Bell, Edward F., M.D., Professor and Division Director

Acarregui, Michael J., M.D., Associate Professor

Dagle, John M., Ph.D., M.D., Assistant Professor

George, Thomas N., M.D., Assistant Professor (Clinical)

Hein, Herman A., M.D., Professor

Klein, Jonathan M., M.D., Associate Professor

McGuinness, Gail A., M.D., Professor

Morriss, Frank H. Jr., M.D., Professor and Department Head

Murray, Jeffrey C., M.D., Professor (Dentistry, Biological Sciences, Public Health)

Segar, Jeffrey L., M.D., Associate Professor

Widness, John A., M.D., Professor

Ziegler, Ekhard, M.D., Professor

### Nephrology and Hypertension

Porter, Craig C., M.D., Associate Professor (Clinical) and Division Director

Weismann, Douglas N., M.D., Associate Professor

### Neurology

Afifi, Adel K., M.D., Professor and Interim Division Director (Anatomy and Cell Biology, Neurology)

Bell, William E., M.D., Professor (Emeritus) (Neurology)

Bonthius, Daniel J., Ph.D., M.D., Assistant Professor (Neurology)

Mathews, Katherine, M.D., Associate Professor (Neurology)

### Nutrition

Ziegler, Ekhard E., M.D., Professor and Division Director

Rebouche, Charles J., Ph.D., Associate Professor

### Psychology

Richman, Lynn Charles, Ph.D., Professor and Division Director

Harper, Dennis C., Ph.D., Professor (Counselor Education)

Lindgren, Scott D., Ph.D., Professor

Roberts, Mary Ann, Ph.D., Associate Professor (Clinical)

Stehbens, James A., Ph.D., Professor

Wacker, David P., Ph.D., Professor (Curriculum and Instruction)

### Child Health Specialty Clinics

Lobas, Jeffrey, M.D., Associate Professor (Clinical) and Director

### Interdepartmental Research Program in Human Molecular Genetics

Sheffield, Val C., Ph.D., M.D.,

Professor, Howard Hughes Medical Institute Associate Investigator, and Program Director  
Soares, M. Bento, Ph.D., Associate Professor (Physiology and Biophysics)

#### College of Medicine Administration

Kelch, Robert P., M.D., Professor and Dean  
Nelson, Richard P., M.D., Professor and Executive Dean

#### Emeritus Faculty

Fomon, Samuel J., M.D., Professor (Emeritus)  
Hardy, James C., Ph.D., Professor (Emeritus)  
Healy, Alfred, M.D., Professor (Emeritus)  
Ionasescu, Victor V., M.D., Professor (Emeritus)  
MacQueen, John C., M.D., Professor (Emeritus)  
Nowak, Arthur J., D.D.S., Professor (Emeritus) (Dentistry)  
Read, Charles H., M.D., Professor (Emeritus)  
Rowley, Vinton N., Ph.D., Professor (Emeritus)  
Solomons, Gerald, M.D., Professor (Emeritus)  
Stegink, Lewis D., Ph.D., Professor (Emeritus) (Biochemistry)

#### Clinical Faculty

Alexander, David T., M.D., Clinical Professor (Des Moines)  
Anderson, Kenneth W., M.D., Clinical Assistant Professor (Cedar Rapids)  
Arab, Siddiq M., M.B., D.Ch., Clinical Assistant Professor (Waterloo)

Bartlett, William G., D.O., Clinical Assistant Professor (Des Moines)

Becker, Thomas, M.D., Clinical Assistant Professor (Des Moines)  
Bzdega, Holley A., M.D., Clinical Assistant Professor (Des Moines)  
Chandramouli, B., M.D., Clinical Assistant Professor (Des Moines)  
Cheyne, Ken, M.D., Clinical Assistant Professor (Des Moines)  
Cook, Jennifer, M.D., Clinical Assistant Professor (Des Moines)  
Daws, William R., M.D., Clinical Assistant Professor (Burlington)  
El-Najdawi, Eyad K., M.D., Clinical Assistant Professor (Sioux City)  
Elliott, Stephen C., Ph.D., D.O., Clinical Associate Professor (Des Moines)  
Franzen, Keevin J., M.D., Clinical Assistant Professor (Dubuque)  
Garvin, Gregory L., D.O., Clinical Assistant Professor (Davenport)  
Graeve, Janet, M.D., Clinical Assistant Professor (Des Moines)  
Guiang, Sixto F., M.D., Clinical Assistant Professor (Burlington)  
Hackbarth, Stanley A., M.D., Clinical Assistant Professor (Iowa City)  
Harrell, Susan, M.D., Clinical Assistant Professor (Des Moines)  
Hendrix, James A., M.D., Clinical Assistant Professor (Burlington)  
Hirsch, Norma J., M.D., Clinical Assistant Professor (Des Moines)  
Jennissen, Charles, M.D., Clinical Assistant Professor (Des Moines)  
Justin, John C., M.D., Clinical Associate Professor (Mason City)  
Kazenelson, Gregorio, M.D., Clinical Assistant Professor (Waterloo)  
Little, David L., M.D., Clinical Assistant Professor (Mason City)

MacLellan-Tobert, Susan G., M.D., Clinical Assistant Professor  
Madia, Asha, M.D., Clinical Assistant Professor (Des Moines)  
Makar, Adel F., M.D., Clinical Assistant Professor (Mason City)  
McCabe, Donald R., M.D., Clinical Assistant Professor (Burlington)  
Menzies, Lisa, M.D., Clinical Assistant Professor (Des Moines)  
Miller, Debra K., M.D., Clinical Assistant Professor (Ottumwa)  
Mraz, Royan, M.D., Clinical Assistant Professor (Des Moines)  
Nassif, Edward G., M.D., Clinical Assistant Professor (Carroll)  
Nau, Scott K., M.D., Clinical Assistant Professor (Cedar Rapids)  
Nitzke, Everett A., M.D., Clinical Assistant Professor (Des Moines)  
O'Brien, John D., M.D., Clinical Assistant Professor (Ottumwa)  
O'Brien, Nancy C., M.D., Clinical Assistant Professor (Ottumwa)  
O'Donnell, Alejandro M., M.D., Clinical Associate Professor (Argentina)  
Opdebeek, Kathleen, M.D., Clinical Assistant Professor (Cedar Rapids)  
Ozaki, Linda S., M.D., Clinical Assistant Professor (Davenport)  
Sasso, Gary M., Ph.D., Adjunct Professor (\*Curriculum and Instruction)  
Schomer, Amy Rounds, M.D., Clinical Assistant Professor (Iowa City)  
Schor, Edward L., M.D., Clinical Associate Professor (Des Moines)  
Semina, Elena, Ph.D., Adjunct Assistant Professor  
Shah, Rizwan Z., M.D., Clinical Instructor (Des Moines)  
Shaw, Robert D., M.D., Clinical Assistant Professor (Des Moines)

Shelso, John H., M.D., Clinical Assistant Professor (Sioux City)  
Skrainka, Brian, M.D., Clinical Assistant Professor (Des Moines)  
Stenzel, Joel, M.D., Clinical Assistant Professor (Des Moines)  
Sturdevant, Ray C., M.D., Clinical Assistant Professor (Sioux City)  
Swanson, Jack T., M.D., Clinical Assistant Professor (Ames)  
Thomas, Julianne H., M.D., Clinical Assistant Professor (Cedar Rapids)  
Wallace, Peter D., M.D., Clinical Associate Professor (Iowa City)  
Waziri, Mir A., M.D., Clinical Assistant Professor (Waterloo)  
Zivkovich, Veljko K., M.D., Clinical Associate Professor (Des Moines)

#### Adjunct Faculty

Cooper, Linda, Ph.D., Adjunct Assistant Professor  
Pardini, Benet, Ph.D., Adjunct Assistant Professor  
Semina, Elena, Ph.D., Adjunct Assistant Professor

#### Secondary appointments

Johnsen, David C., D.D.S., Professor and Dean of the College of Dentistry  
Paulino, Arnold, M.D., Assistant Professor (\*Radiology)  
Strauss, Ronald G., M.D., Professor (\*Pathology)

#### PHARMACOLOGY

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Gebhart, Gerald F., Ph.D., Professor and Department Head

Ascoli, Mario, Ph.D., Professor  
Baron, Jeffrey, Ph.D., Professor  
Bhatnagar, Ranbir K., Ph.D., Professor (Emeritus)  
Dutton, Gary R., Ph.D., Professor  
Faraci, Frank M., Ph.D., Professor (\*Internal Medicine)  
Fisher, Rory A., Ph.D., Associate Professor  
Gardinier, Minnetta V., Ph.D., Associate Professor  
Hammond, Donna L., Ph.D., Professor (\*Anesthesiology)  
Heistad, Donald D., M.D., UI Foundation Distinguished Professor and Zahn Cardiology Professor (\*Internal Medicine)  
Hill, Joseph A., M.D., Ph.D., Assistant Professor (\*Internal Medicine)  
Hohl, Raymond James, Ph.D., M.D., Associate Professor (\*Internal Medicine)  
Johnson, Alan Kim, Ph.D., Professor (\*Psychology)  
Kasson, Barry Glen, Ph.D., Associate Professor  
Koland, John G., Ph.D., Associate Professor  
Lamping, Kathryn, Ph.D., Assistant Professor (\*Internal Medicine)



Lill, Nancy, Ph.D., Assistant Professor

Long, John Paul, Ph.D., Roy J. Carver Professor (Emeritus)

Proudfit, Herbert K., Ph.D., Professor

Quelle, Dawn E., Ph.D., Assistant Professor

Quelle, Frederick William, Ph.D., Assistant Professor

Rich, Gretchen Lee, Ph.D., Adjunct Assistant Professor

Shires, Thomas K., Ph.D., Professor

Spratt, James L., M.D., Ph.D., Professor (Emeritus)

Strack, Stefan, Ph.D., Assistant Professor

Tephly, Thomas R., M.D., Ph.D., Professor

Williamson, Harold E., Ph.D., Professor (Emeritus)

#### PHYSIOLOGY AND BIOPHYSICS

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Campbell, Kevin P., Ph.D., Roy J. Carver Chair in Physiology and

Biophysics, UI Foundation Distinguished Professor, and Howard Hughes Medical Institute Investigator (Neurology)

Davidson, Beverly L., Ph.D., Roy J. Carver Chair in Internal Medicine and Associate Professor (Neurology, \*Internal Medicine)

DiBona, Gerald F., M.D., Professor (\*Internal Medicine)

England, Sarah K., Ph.D., Assistant Professor

Folk, G. Edgar, Ph.D., Professor (Emeritus)

Hoshi, Toshinori, Ph.D., Associate Professor

Johnson, Wayne A., Ph.D., Associate Professor

Mora, Francisco, M.D., Ph.D., Adjunct Professor

Moye-Rowley, W. Scott, Ph.D., Associate Professor

Pardini, Benet J., Ph.D., PA-C, Adjunct Assistant Professor

Pessin, Jeffrey E., Ph.D., University of Iowa Foundation Distinguished Professor

Piper, Robert C., Ph.D., Assistant Professor

Rubinstein, Jay T., M.D., Ph.D., Associate Professor (\*Otolaryngology)

Russo, Andrew F., Ph.D., Professor

Schmidt, Thomas J., Ph.D., Professor

Searle, Gordon W., M.D., Ph.D., Associate Professor (Emeritus)

Segaloff, Deborah L., Ph.D., Professor

Shibata, Erwin F., Ph.D., Associate Professor

Sigmund, Curt D., Ph.D., Associate Professor (\*Internal Medicine)

Snyder, Peter M., M.D., Associate

Professor (Internal Medicine)

Soares, M. Bento, Ph.D., Associate Professor (\*Pediatrics)

Stamnes, Mark A., Ph.D., Assistant Professor

Welsh, Michael J., M.D., Roy J. Carver Chair in Internal Medicine and Physiology and Biophysics, Professor and Howard Hughes Medical Institute Investigator (\*Internal Medicine)

Wunder, Charles C., Ph.D., Professor (Emeritus)

#### PSYCHIATRY

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Amos, James J., M.D., Assistant Professor (Clinical)

Andersen, Arnold E., M.D., Professor

Andreasen, Nancy C., Ph.D., M.D., Andrew H. Woods Chair of Psychiatry and Professor

Arndt, Stephan V., Ph.D., Professor (Public Health)

Bayless, John D., Ph.D., Assistant Professor (Clinical)

Beeghly, James H.L., M.D., Associate Professor (Clinical)

Bergus, George Ravdin, M.D., Associate Professor (\*Family Medicine)

Black, Donald W., M.D., Professor

Blum, Nancee, M.S.W., Adjunct Instructor (Nursing, Social Work)

Bowers, Wayne A., Ph.D., Associate Professor (Clinical)

Brown, James C.N., M.D., Clinical Associate Professor (Iowa City)

Brown, Noel J.C., M.D., Clinical Associate Professor

Brown, Sarah, M.D., Assistant Professor (Clinical)

Buck, Bridget, M.D., Clinical Assistant Professor

Buckwalter, Kathleen C., Ph.D., Professor (\*Nursing, Internal Medicine)

Cadoret, Remi J., M.D., Professor (Emeritus)

Canter, Arthur, Ph.D., Professor (Emeritus)

Cizadlo, Beth C., M.D., Assistant Professor (Clinical)

Clancy, Gerard P., M.D., Associate Professor (Clinical) and Assistant Dean for Student Affairs and Curriculum

Cochran, Sam V III, Ph.D., Adjunct Assistant Professor

Cook, Brian L., D.O., Associate Professor

Coryell, William H., M.D., Professor

Crossett, Judith Hale Wallace, M.D., Ph.D., Associate Professor (Clinical)

Crowe, Raymond R., M.D., George Winokur Professor

Curdue, Kathryn J., M.P.H., M.D., Clinical Assistant Professor (Des Moines)

Doebbling, Caroline P. Carney,

M.D., Assistant Professor (Internal Medicine)

Doughten, Gertrude S., D.O., Clinical Assistant Professor (Des Moines)

Dunner, Frederick J., M.D., Clinical Assistant Professor (Iowa City)

Finn, M. Richard, M.D., Associate Professor (Emeritus)

Flaum, Michael A., M.D., Associate Professor

Gaffney, Gary R., M.D., Associate Professor

Garvey, Michael J., M.D., Professor

Grinstead, Dan M., M.S.W., Adjunct Instructor

Hartson, John N., Ph.D., Adjunct Assistant Professor

Hetherington, Cheryl, Ph.D., Adjunct Assistant Professor

Ho, Beng C., M.D., Assistant Professor

Jensen, Anne M., Ph.D., Adjunct Assistant Professor

Kathol, Roger G., M.D., Clinical Professor (Internal Medicine)

Kempf, Barbara J., M.D., Associate

Kenfield, Laurie, M.D., Associate Professor (Clinical)

Koele, Sharon L., M.D., Assistant Professor (Clinical)

Kuperman, Samuel, M.D., Professor

Langbehn, Douglas R., M.D., Ph.D., Assistant Professor (Public Health)

Lassner, Jason B., Ph.D., Adjunct Assistant Professor

Liesveld, Jill Lynette, M.D., Assistant Professor (Clinical)

Loeffelholz, Paul L., M.D., Clinical Assistant Professor

Miller, Delwyn D., M.D., Associate Professor

Moore, Betty M., M.S.W., Adjunct Instructor

Moser, David J, Ph.D., Assistant Professor

Mulford, Harold A., Ph.D., Professor (Emeritus)

Nelson Reitz, Karen A., Ph.D., Assistant Professor (Clinical)

Nelson, Herbert L., M.D., Professor (Emeritus)

Nichols, Polly J., Ph.D., Adjunct Assistant Professor

Nopoulos, Peggy C., M.D., Associate Professor

Noyes, Russell Jr., M.D., Professor

Osiecki, Stephen C., M.A., Adjunct Instructor

Paulsen, Jane S., Ph.D., Associate Professor (Neurology, Psychology)

Penningroth, R. Paul, M.D., Clinical Assistant Professor (Cedar Rapids)

Perry, Paul J., Ph.D., Professor (\*Pharmacy)

Pfohl, Bruce M., M.D., Professor (Public Health)

Philibert, Robert Alan, M.D., Ph.D., Assistant Professor

Pullen, James J., M.D., Clinical Assistant Professor (Des Moines)

Richards, Larry L., D.O., Clinical Assistant Professor (Cedar Rapids)

Richards, Nancy R., M.S.W., Adjunct Instructor

Rosenthal, David M., Ph.D., Associate Professor (\*Family Medicine, Education)

Saliba, Khalil, M.D., Assistant Professor (Clinical)

Schultz, Susan K., M.D., Associate Professor

Singh, Manmohan, M.D., Clinical Assistant Professor (Des Moines)

Stuart, Scott P., M.D., Associate Professor

Suda, Debra Ann, M.D., Assistant Professor (Clinical)

Swayze II, Victor W., M.D., Associate Professor

Tansey, Janeta F., M.D., Assistant Professor (Clinical)

Temple, Scott D., Ph.D., Associate Professor (Clinical)

Took, Kevin J., M.D., Clinical Assistant Professor

Troutman, Beth Renee, Ph.D., Assistant Professor (Clinical)

Turvey, Carolyn L., Ph.D., Associate

Vieland, Veronica J., Ph.D., Professor (\*Public Health)

Wassink, Thomas A., M.D., Assistant Professor

Waziri, Rafiq, M.D., Associate Professor

Wemmie, John A., M.D., Ph.D., Associate

Wesner, Robert B., M.D., Clinical Assistant Professor (Iowa City)

Whitters, Alan C., M.D., Clinical Assistant Professor (Cedar Rapids)

Williams, Nancy Ann, M.D., Assistant Professor (Clinical)

Woodman, Catherine, M.D., Associate Professor

#### RADIOLOGY

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Abu-Yousef, Monzer M., M.D., Professor

Adler, Stephen C., M.D., Clinical Lecturer (Moline, Ill.)

Andre, Kenneth W., M.D., Clinical Lecturer (Moline, Ill.)

Arnell, Richard A., M.D., Clinical Lecturer (Rock Island, Ill.)

Barloon, Thomas J., M.D., Associate Professor

Berbaum, Kevin S., Ph.D., Professor

Boardman, John, M.D., Associate

Bolinger, Lizann, Ph.D., Associate Professor (Engineering)

Brandser, Eric A., M.D., Associate Professor

Britigan, Bradley E., M.D., Professor (\*Internal Medicine)

Brown, Bruce P., M.D., Associate Professor

Brown, Robert C., M.D., Professor (Emeritus)

Buatti, John, M.D., Professor

Buettner, Garry R., Ph.D., Professor

Bushnell, David, M.D., Associate Professor

Cavalcanti, Marcelo G.P., D.D.S., M.S., Ph.D., Adjunct Assistant Professor

Chaloupka, John, M.D., Associate Professor

Cheng, Hsieh-Fu, Ph.D., Professor (Emeritus)

Cooper, Stephen M., M.D., Clinical Lecturer (Des Moines)

D'Alessandro, Michael, M.D., Associate Professor

Dhadha, Rommel S., M.D., Assistant Professor (Clinical)

Dion, Mark W., M.D., Assistant Professor (Clinical)

Domann, Frederick E., Ph.D., Associate Professor

Doornbos, J. Fred, M.D., Associate Professor (Emeritus)

Ehrhardt, James C., Ph.D., Professor

El-Khoury, Georges Y., M.D., Professor (Orthopaedic Surgery)

Erkonen, William E., M.D., Associate Professor (Emeritus)

Franken, Edmund A. Jr., M.D., Professor

Goswami, Prabhat, Ph.D., Adjunct Associate Professor

Grabowski, Thomas J., M.D., Associate Professor (\*Neurology)

Graham, Michael, Ph.D., M.D., Professor

Haller, John, Ph.D., Adjunct Assistant Professor

Harre, Raymond G., M.D., Clinical Lecturer (Davenport)

Hempel, Stephen L., M.D., Associate Professor (\*Internal Medicine)

Hichwa, Richard D., Ph.D., Associate Professor

Higgins, William E., Ph.D., Adjunct Associate Professor

Hoffman, Eric A., Ph.D., Professor

Huang, H.K., Ph.D., Adjunct Associate Professor

Jackson, Herbert L., Ph.D., Professor (Emeritus)

Jacoby, Charles G., M.D., Clinical Professor (Iowa City)

Jiang, Ming, Ph.D., Visiting Associate

Kahn, Daniel, M.D., Associate Professor

Kao, Simon C., M.D., Professor

Kathol, Mary H., M.D., Associate Professor

Kirchner, Peter T., M.D., Professor (Internal Medicine)

Lu, Charles C., M.D., Professor (Emeritus)

Madsen, Mark T., Ph.D., Associate Professor

Maley, Joan E., M.D., Assistant Professor (Clinical)

Mayr, Nina, M.D., Associate Professor (Obstetrics and Gynecology)

McGinnis, William L., M.D., Clinical Lecturer (Des Moines)

Meeks, Sanford, Ph.D., Associate Professor

Mullan, Brian, M.D., Assistant Professor

Oberley, Larry W., Ph.D., Professor

Ohrt, Heather J., M.D., Clinical Assistant Professor (Iowa City)

Osborne, James W., Ph.D., Professor

Parker, Stanley L., M.D., Clinical Assistant Professor (Iowa City)

Paulino, Arnold, M.D., Assistant Professor (Pediatrics)

Pennington, Edward C., M.S., Adjunct Lecturer

Peterson, Richard E., M.D., Professor (Emeritus) (Internal Medicine)

Rezai, Karim, M.D., Associate Professor (Emeritus)

Robbins, Michael E.C., Ph.D., Associate Professor

Ruprecht, Axel, D.D.S., Professor (\*Dentistry)

Sato, Yutaka, M.D., Ph.D., Professor

Seabold, James E., M.D., Professor (Emeritus)

Sharafuddin, Melhem, M.D., Assistant Professor

Shierholz, John D., M.D., Clinical Lecturer (Ames)

Skwarchuk, Mark, Ph.D., Assistant Professor

Spitz, Douglas R., Ph.D., Associate Professor

Stanford, William, M.D., Professor

Stolpen, Alan, M.D., Ph.D., Associate Professor

Sun, Shiliang, M.D., Assistant Professor

Thompson, Brad H., M.D., Associate Professor

Van Houten, Stephen P., M.D., Clinical Lecturer (Ames)

Wang, Ge, Ph.D., Associate Professor

Watkins, Gordon L., Ph.D., Assistant Professor (Clinical)

Wen, B-Chen, M.D., Professor

White, Matthew, M.D., Assistant Professor

Young, Donald C., M.D., Professor (Clinical)

Yousef, Khalil, M.D., Assistant Professor (Clinical)

Yuh, William T.C., M.D., Professor

#### SURGERY

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Aguilar, Agustin, M.D., Assistant Professor (Clinical)

Al-Jurf, Adel S., M.B., Ch.B., Professor

Aly, Al S., M.D., Assistant Professor (Clinical) (Otolaryngology, Orthopaedic Surgery)

Ballinger, Beth Ann, M.D., Assistant Professor

Beckwith, P. Sue, M.D., Clinical Associate (Des Moines)

Behrendt, Douglas M., M.D., Professor

Berardi, Romeo S., M.D., Clinical Associate Professor (Des Moines)

Bozorgzadeh, Adel, M.D., Assistant Professor

Browne, Jerry Lee, M.D., Associate Professor (Clinical)

Brugge, John F., M.D., Adjunct Professor (Wisconsin)

Cak, Robert J., M.D., Clinical Assistant Professor

Caldarone, Christopher A., M.D., Assistant Professor

Canady, John W., M.D., Associate Professor (Otolaryngology, Orthopaedic Surgery)

Caropreso, Philip R., M.D., Clinical Assistant Professor (Keokuk)

Chang, Phyllis, M.D., Associate Professor (Orthopaedic Surgery, Otolaryngology)

Congreve, Daniel P., M.D., Clinical Assistant Professor (Davenport)

Corson, John D., M.B., Ch.B., Professor

Corwin, Claudia L., M.D., Assistant Professor

Cram, Albert E., M.D., Professor (Orthopaedic Surgery, Otolaryngology)

Crosby, Daniel L., M.D., Assistant Professor

Cullen, Joseph J., M.D., Associate Professor

Dionne, Richard Wayne, M.D., Assistant Professor (Clinical)

Doherty, Cornelius, M.D., Associate Professor (Clinical)

Dorner, Douglas B., M.D., Clinical Assistant Professor (Des Moines)

Dragstedt, Lester R., M.D., Clinical Professor (Emeritus)

Ehrenhaft, Johann L., M.D., Professor (Emeritus)

Ephgrave, Kimberly S., M.D., Robert and Hélène Soper Endowed Chair in General Surgery and Professor

Everett, Jeffrey, M.D., Assistant Professor

Faber, Luke C., M.D., Associate Professor (Emeritus)

Follett, Kenneth A., M.D., Ph.D., Associate Professor

Gius, John A., M.D., Professor (Emeritus)

Graber, Mark A., M.D., Associate Professor (Clinical) (Family Medicine)

Gurll, Nelson J., M.D., Professor

Hansen, Alfred R., Ph.D., M.D., Professor (Clinical)

Herlitzka, Alfred J., M.D., Associate Professor (Emeritus)

Hitchon, Patrick W., M.D., Professor

Hoballah, Jamal J., M.D., Associate Professor

Hove, Harlo D., M.D., Assistant Professor (Clinical)

Howard, Matthew A., M.D., Associate Professor (Neurology)

Howe, James R., M.D., Assistant Professor

Jochimsen, Peter R., M.D., Professor

Katz, Daniel A., M.D., Assistant Professor

Kealey, Gerald P., M.D., Professor

Kernstine, Kemp H., M.D., Ph.D., Associate Professor (Clinical)

Kimura, Ken, M.D., Ph.D., Professor

Kollmorgen, Robert L., M.D., Clinical Assistant Professor (Des Moines)

Kresowik, Timothy F., M.D., Associate Professor

Kurtz, Sheldon, J.D., Professor (\*Law)

Lee, Andrew G., M.D., Associate Professor (\*Ophthalmology and Visual Sciences, Neurology)

Lohmuller, Joseph L., M.D., Clinical Instructor (Davenport)

MacGregor, John K., M.D., Associate Professor (Emeritus)

Maher, James W., M.D., Professor

Mason, Edward, M.D., Professor (Emeritus)

Menezes, Arnold H., M.B.B.S., Professor

Metcalf, Amanda M., M.D., Professor

Nelms, William F., M.D., Clinical Assistant Professor (Des Moines)

Nugent, Andrew, M.D., Assistant Professor (Clinical)

Palumbo, Louis T., M.D., Professor (Emeritus)

Peterson, Carl M., M.D., Clinical Assistant Professor (Des Moines)

Phelps, Michael A., M.D., Clinical Instructor (Davenport)

Porter, Samuel D., M.D., Associate Professor (Emeritus)

Rayhill, Stephen C., M.D., Assistant Professor

Richenbacher, Wayne E., M.D., Professor (Anatomy and Cell Biology)

Riley, Walter J., M.D., Clinical Assistant Professor (Des Moines)

Ryken, Timothy C., M.D., Assistant Professor

Samuel, Isaac, M.B.B.S., Assistant Professor

Sandler, Anthony D., M.B., Ch.B., Assistant Professor

Scheckel, Stephen J., D.D.S., M.D., Associate Professor (Clinical)

Sharp, William J., M.D., Associate Professor

Shelman, Rick A., M.D., Clinical Instructor (Iowa City)

Shirazi, Siroos S., M.D., Professor

Soper, Robert T., M.D., Professor (Emeritus)

Staab, Frederick D., M.D., Professor (Emeritus)

Stubbs, David H., M.D., Clinical Assistant Professor (Des Moines)

Thomsen, Timothy A., M.D., Clinical Assistant Professor (Mason City)

Torner, James C., Ph.D., Professor (Public Health)

Traynelis, Vincent C., M.D., Professor

Urdaneta, Luis F., M.D., Professor

Van Gilder, John C., M.D., Professor

Wibbenmeyer, Lucy A., M.D., Assistant Professor

Wu, Youmin, M.D., Associate Professor

Zike, Wilber L., M.D., Associate Professor (Emeritus)

#### UROLOGY

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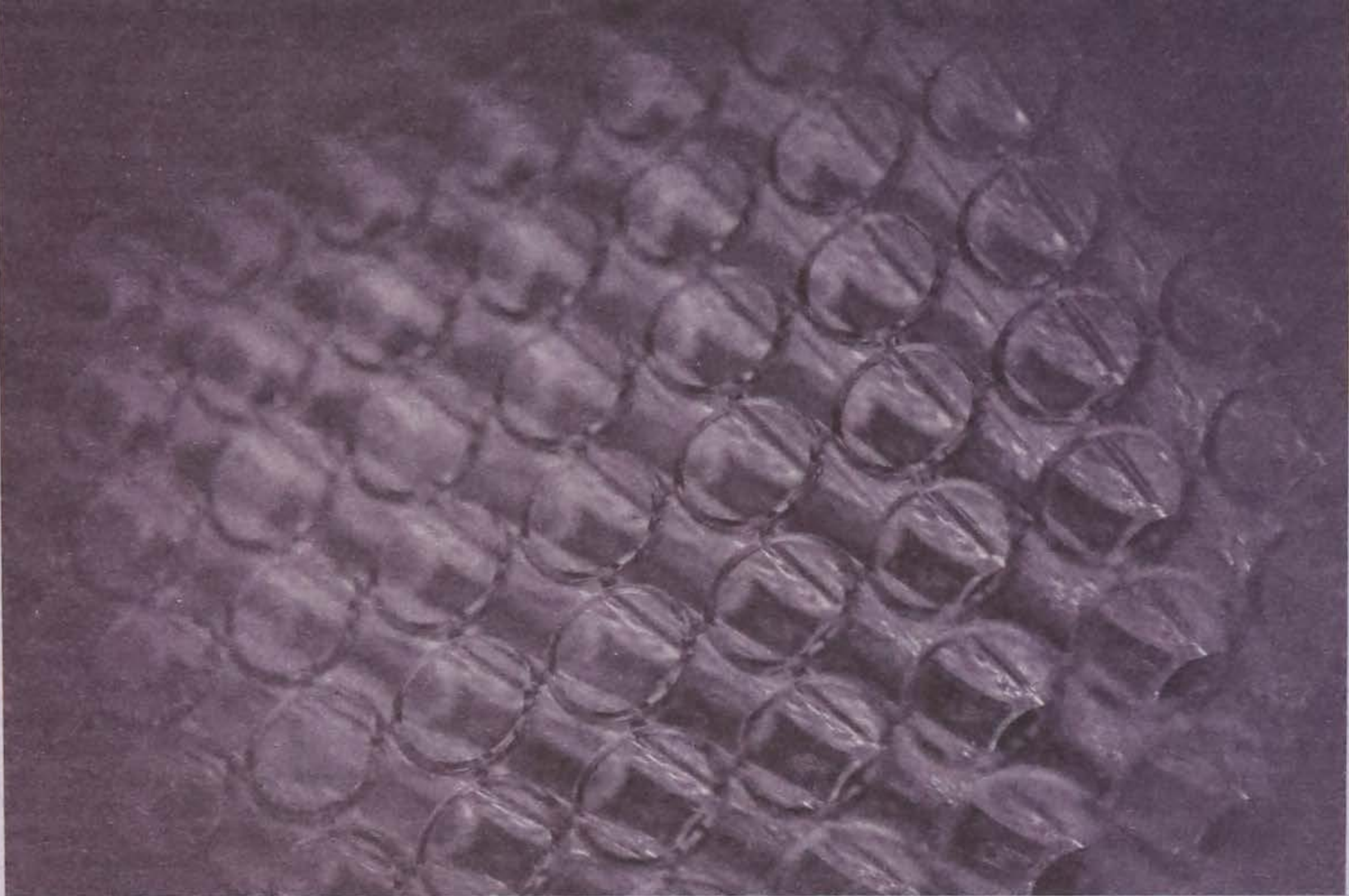
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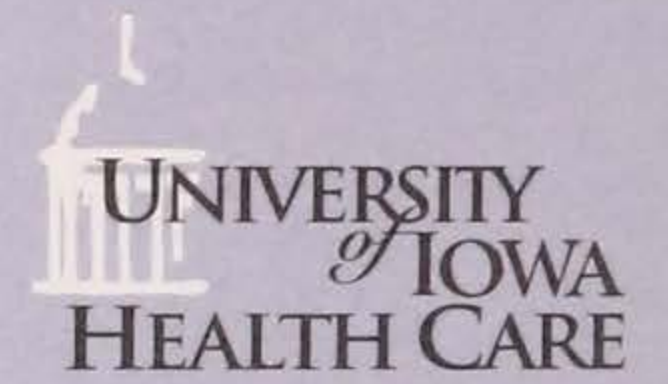
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