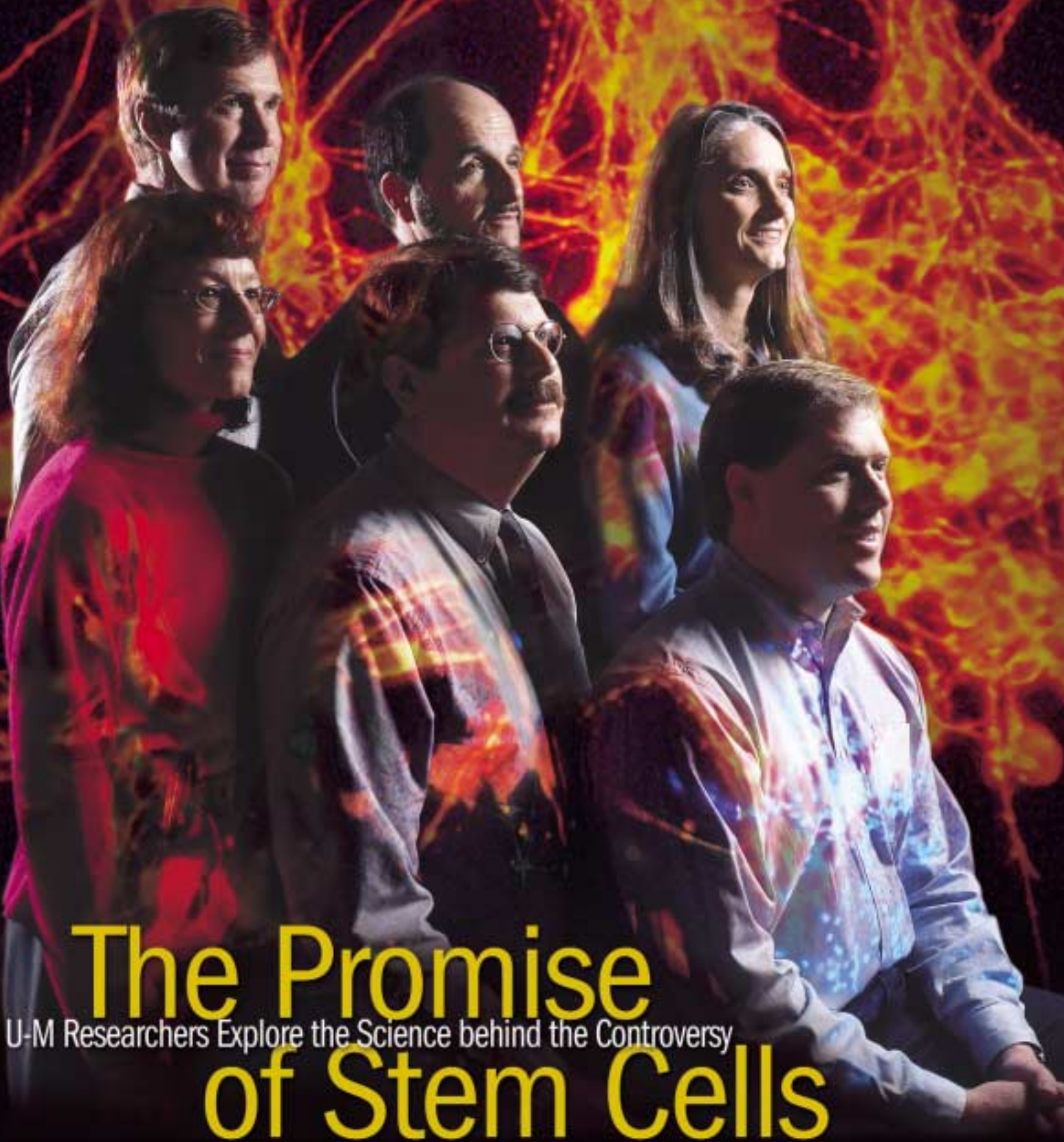


medicine

at M I C H I G A N

Winter 2002

A PUBLICATION OF THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL



The Promise

U-M Researchers Explore the Science behind the Controversy

of Stem Cells

In the Limelight



Huda Akil, Ph.D., co-director of the Mental Health Research Institute and the Gardner Quarten Distinguished University Professor of Neuroscience in the Department of Psychiatry, is president-elect of the Society for Neuroscience. The Society comprises all fields of brain research and includes more than 25,000 members. Akil will assume her role as president in November.



Keith Bishop, Ph.D., associate professor of surgery and associate professor of microbiology and immunology, has been named director of the Graduate Program in Immunology. Bishop assumed his responsibilities on July 1, 2001.



Victor M. Elnor, M.D., Ph.D., associate professor of ophthalmology and visual sciences, has been selected to receive the Lew Wasserman Merit Award from Research to Prevent Blindness. The award is given to mid-career scientists who are extensively engaged in research and who are already recognized in their field. Elnor's work deals with the role of chemokines in causing inflammatory effects in many eye diseases, including diabetic retinopathy, retinal detachment, macular generation, and uveitis.



James Ferrara, M.D., professor, Pediatrics and Communicable Diseases and Internal Medicine, is the recipient of the Humboldt Award for Research in Bone Marrow Transplants. Only 40 Humboldt awards were given out in 2001 and of those, only two were in the medical field. Ferrara's award has established a direct collaboration between U-M and the University of Regensburg in Germany for new strategies to make transplants safer.

Daniel Hayes, M.D., professor, Department of Internal Medicine, and co-director, Breast Care Center, has been appointed clinical director of the U-M Comprehensive Cancer Center's Breast Oncology Program. In his new appointment, Hayes will be responsible for directing clinical services and overseeing the

translation of basic breast cancer research into clinical trials.



Kenneth Jamerson (M.D. 1986), associate professor, Department of Internal Medicine, and medical director of the Program for Multicultural Health, has been elected to a one-year term on the board of trustees of the International Society on Hypertension in Blacks.

As a trustee, Jamerson will assume a leadership role to eliminate health disparities among ethnic populations. The Society conducts accredited professional medical education programs, research activities, and patient and community education to address the ►

First Annual Awards Dinner Recognizes Faculty Distinctions

Dean Allen S. Lichter hosted a dinner at Barton Hills Country Club in Ann Arbor on October 10 to honor faculty who received the following Medical School awards in 2001:



Hiss



Nuñez



Kang



Fisher

Lifetime Achievement Award in Medical Education

Roland G. Hiss (M.D. 1957, Residency 1964, Fellowship 1966)
Professor and Chair, Medical Education

The Lifetime Achievement Award was established to recognize faculty who have contributed significantly to medical education. Hiss, chair of the Department of Medical Education for nearly 20 years, is highly regarded for his exceptional teaching of medical students and his contributions to the curriculum. Hiss also served on the dean's staff as coordinator of affiliated hospitals for 16 years and has had a prominent role in the Michigan Diabetes Research and Training Center since its inception in 1977.

Achievement in Basic Science Award

Gabriel Nuñez, M.D.
Professor of Pathology

The award for basic science achievements recognizes faculty who have contributed outstanding basic science research. Nuñez is a world leader in the study of molecular pathways involved in apoptosis, having made seminal contributions toward the understanding of these pathways, and he is regarded as one of the most innovative and productive scientists at U-M.

Achievement in Clinical Research Award

Sewon Kang (M.D. 1987)
Associate Professor of Dermatology

Gary Fisher, Ph.D.
Associate Professor of Dermatology

Kang and Fisher share the Achievement in Clinical Research Award for their outstanding contributions to clinical research and their strong commitment and dedication to the field of dermatological research. They serve in many critical roles including those of clinician, teacher, research unit director and clinical research investigator, and they are widely regarded for their uncompromising work ethic and positive, energetic creativity.

Distinguished Faculty Lectureship in Biomedical Research Award

Steven Kunkel, Ph.D.
Professor of Pathology

This award honors faculty who have contributed long-term biomedical research, teaching and service to the University of Michigan. Kunkel is recognized nationally and internationally for his contributions in immunology and inflammation. His investigations focus

on molecular mediators of inflammation and have provided not only an understanding of the basic mechanisms involved in immunologic processes, but also insight into developing therapeutic strategies to treat inflammatory disorders.



Kunkel

Community Service Award

Terence Joiner, M.D. (Residency 1985)
Clinical Assistant Professor of Pediatrics and Communicable Diseases

The Community Service Award recognizes faculty who have contributed to the community in an extraordinary fashion. Joiner is regarded as one of the physicians on the faculty most dedicated to community service. He is devoted to a legion of community resources, including the Ypsilanti Pediatric Clinic, the Marshall H. Becker Memorial Clinic for under-served children, the Michigan Asthma Strategic Planning Initiative, American Academy of Pediatrics Committee on Community Health, and the Washtenaw County Health Improvement Plan. Joiner has also been a consultant for the Michigan Children's Protective Service Medical Advisory Committee and the Washtenaw County Head Start Program.

Clinical Award for Primary Care

James Peggs, M.D.
Associate Professor of Family Medicine

This award honors faculty who have shown exemplary performance as a practicing clinician or program director of innovation in clinical care. During his 23 years in the greater Ann Arbor medical community, Peggs has developed a clinical reputation of the highest order and has served as an influential role model for dozens of medical students and res-



Joiner



Peggs

idents; he was honored with the Galens Silver Shovel Award in 1998 for teaching excellence. He has also provided critical leadership to Chelsea Community Hospital, the Chelsea medical community and the Chelsea Retirement Community. Peggs has been listed for the past several years as one of America's best family physicians.



Kazanjian



Baker



Fine



D'Alecy

Clinical Award for the Specialist **Powel Kazanjian, M.D.**

Associate Professor of Internal Medicine

This award recognizes the specialist who has shown exemplary performance as a practicing clinician or program leader of innovation in clinical care. Kazanjian has built an outstanding, nationally recognized clinical HIV/AIDS program which more than tripled in size between 1994 and 2000, due primarily to Kazanjian's continued successful competition for federal Ryan White Title III funding. Local AIDS support programs regard the U-M HIV/AIDS Treatment Program, the only program in the state of Michigan nationally-ranked by *U.S. News and World Report*, as the best in the region.

Innovations Award

James R. Baker Jr., M.D.

Professor of Internal Medicine
Ruth Dow Doan Professor of Biologic Nanotechnology

The Innovations Award recognizes faculty who have developed an innovation that radically improves or transforms clinical outcomes, educational processes, or research processes. Baker has been both a national and international leader in the field of biologic nanotechnology and has brought considerable attention to U-M in establishing its Center for Biologic Nanotechnology, of which he has served as director since 1998. He is also co-director for the Center for Biomedical Engineering and division chief of Allergy and Immunology. Baker's innovations can be seen in his work utilizing dendrimer polymers as significant nanobiologic agents, and for his investigations into the use of lipid emulsions as antimicrobial agents.

The Kaiser Permanente Teaching Award in Clinical Education

Paul Fine (M.D. 1989, Residency 1992)

Clinical Associate Professor of Internal Medicine

The Kaiser Permanente Teaching Award in Clinical Education honors faculty who demonstrate superior teaching abilities in clinical education. Fine's remarkable contributions in the areas of scholarship and educational methods have included innovative programs to facilitate medical students' educational experience on the inpatient units, as well as superb teaching in inpatient and outpatient settings.

The Kaiser Permanente Teaching Award in Basic Science

Louis D'Alecy, Ph.D.

Professor of Physiology

The Kaiser Permanente Teaching Award in Basic Science honors faculty who demonstrate superior teaching abilities in basic science. With more than 25 years of outstanding teaching of medical and graduate students at U-M, D'Alecy is recognized as one of the individuals most committed to education in the basic sciences. He has served on 42 doctoral committees, sponsored 10 postdoctoral fellows, 18 research rotations and 13 undergraduate honors theses.

disproportionate rates of hypertension and cardiovascular disease among ethnic minority populations.

Paul Kileny, Ph.D., professor of otolaryngology, Pediatrics and Communicable Diseases, received the prestigious Honor Award from the American Academy of Otolaryngology-Head and Neck Surgery. The Academy represents more than 11,000 physicians and allied health professionals



who specialize in the treatment of the ears, nose, throat, and related head and neck problems. The Academy serves its members by providing a medium for the advancement of the science and art of medicine related to otolaryngology and by

representing the specialty in governmental and socioeconomic issues.



Cheryl T. Lee, M.D., assistant professor, Department of Urology, is one of four talented young investigators chosen by the Board of the Southwest Oncology Group after a rigorous and competitive application process to participate in the "Young Investi-

gators" training course last summer. Lee traveled to San Antonio, Texas, and Seattle, Washington, where she received intensive training in statistical principles, data collection and analysis, critical decision-making, protocol development and other group procedures to learn how to develop a clinical trial.



Paul R. Lichter, M.D., the F. Bruce Fralick Professor and chair of the Department of Ophthalmology and Visual Sciences, received a Life Achievement Honor from the American Academy of Ophthalmology at its 2001 annual meeting. The award is in recognition of his extensive con-

tributions to the Academy's leadership and to its scientific and educational programs. Lichter served for 17 years on the Academy board of trustees. He is director of the University's W.K. Kellogg Eye Center. His research and clinical interests involve glaucoma, genetics, and clinical applications of ultrafast

laser technology. He has to his credit more than 185 publications including scientific articles, editorials, and book chapters. He is immediate past-president of the Pan American Association of Ophthalmology and is a member of Academia Ophthalmologica Internationalis and the International Council of Ophthalmology.

Howard Markel (M.D. 1986), Ph.D., George E. Wantz Professor of the History of Medicine, director of the Historical Center for the Health Sciences, and associate professor of pediatrics and communicable diseases, has been elected to the American Pediatrics Society. The oldest and most prestigious society in academic pediatrics in the U.S., it was founded in 1888 for the advancement of the study of the diseases of infancy and childhood.



Joseph Metzger, Ph.D., associate professor of physiology and of internal medicine, has been appointed director of the Center for Integrative Genomics. The Center focuses on the gene-organism-environment paradigm in genetically engineered animals.



Mark Orringer, professor and head, Section of Thoracic Surgery, and director, Thoracic Surgery Oncology Program, in his capacity of president of the Society of Thoracic Surgeons, met with President George W. Bush in July 2001. Orringer and a small gathering of physician association representatives met with Bush to discuss the Patients' Bill of Rights and other medical and health policy issues. The White House invited leaders of 12 specialty medical societies to frankly discuss with the president specific issues that impact the quality of health care in the U.S.



Paul Taheri, M.D., associate professor of surgery, has been named assistant dean for academic business development. Taheri will serve as the focal point for the development of the business aspects of clinical, educational and research initiatives for the Dean's Office.

He will work to leverage the expertise of the Medical School's faculty and staff to address strategic issues, develop new products and to partner with U-M colleges and outside entities.



John Voorhees (M.D. 1963, Residency 1969), professor and chair of the Department of Dermatology, was elected an honorary member of the Philippine Dermatological Society by its board of directors. This appointment was awarded in recognition of Voorhees's distinguished

service to the Society, including being a featured speaker at the PDS annual convention. ►



In Print

Recently published books authored or edited by members of the University of Michigan Medical School include:

By **Richard D. Judge**, M.D., adjunct clinical professor of internal medicine; **Eric R. Bates**, M.D., professor of internal medicine; and **Kim A. Eagle**, M.D., Albion Walter Hewlett Professor of Internal Medicine and chief of Clinical Cardiology: *One Hundred Years of Excellence*.

University of Michigan Historical Center for the Health Sciences, 2001.

The sixth publication in the Historical Center for the Health Sciences Monograph Series, *One Hundred Years of Excellence* celebrates the history of the U-M cardiovascular medicine program from its beginnings in 1891 through 1991, tracing cardiology's rise as a specialty through the program's formation at U-M. Copies may be ordered by calling (734) 615-2125.



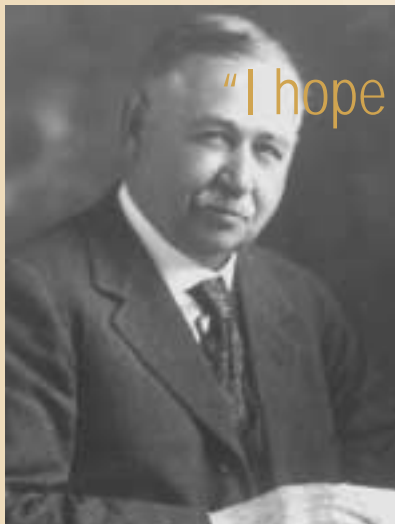
light

Joel D. Howell Named First Victor Vaughan Professor of the History of Medicine

Photo: Gregory Fox



(left to right): Gilbert Omenn, Joel Howell, Allen Lichter and Marc Lippman



Victor Vaughan

"I hope to do justice to his name."

Joel D. Howell, M.D., Ph.D., was installed on November 26, 2001, as the first Victor Vaughan Professor of the History of Medicine. Howell, a professor in the Department of Internal Medicine in the Medical School and co-director of the U-M Robert Wood Johnson Clinical Scholars Program, also serves as professor of health management and policy in the School of Public Health and as professor of history in the College of Literature, Science and the Arts, as well as teaching in the Law School.

Howell is an active clinician at the U-M, where he has been on the faculty since 1984. In 1988, he was the first person whose research is primarily history-focused to be elected to the prestigious American Society of Clinical Investigation. He is the founding director of the U-M Program in Society and Medicine and was recently named to the U-M Society of Fellows. Widely respected for his intellectual leadership, Howell is frequently asked to speak and consult at national and international venues, has written extensively on medical technology and the history and future of human experimentation, and has held numerous lectureships in the U.S. and abroad.

Victor Vaughan (1851-1929) served as dean of the U-M Medical School from 1891 to 1920. He was a biochemist, hygienist, public health authority, medical educator and administrator who was considered one of the great figures in American medicine during the late 19th and early 20th centuries. At Michigan, Vaughan worked to improve the clinical, library and laboratory facilities and to solidify the international stature of the Medical School. He helped found the National Board of Medical Examiners and served a term as president of the American Medical Association from 1914-15. Perhaps the most notable feature of Vaughan's career, based on his desire to see medical knowledge used for the good of all humankind, was his belief that effective health care requires one to see medicine as inextricably embedded in a specific social context. For many, Vaughan's name symbolizes the need always to recognize the social and cultural nature of health care.

In his inaugural address, Howell said, "Victor Vaughan was willing to support people who would see health and disease in ways that he did not and could not. I plan in the years to come to write and teach and care for patients in ways that promote Victor Vaughan's vision of medicine as a social enterprise. I hope to do justice to his name."

Michigan's Continuing Medical Education Calendar

Spring 2002



Sara Warber, M.D. (Residency 1997), lecturer, Department of Family Medicine, and co-director, U-M Complementary and Alternative Medicine Research Center, has been named to the WomenHeart's Scientific Advisory Board, a 20-member panel of prominent

American physicians and nurses. The board provides policy direction and scientific expertise to WomenHeart, the only national patient advocacy group to represent the concerns of the eight million women living with heart disease.

Zhaohui Xu, Ph.D., assistant professor of biological chemistry, received a 2001 Pew Scholars Award. The Pew Charitable Trusts awards are granted to young investigators who show outstanding promise in the basic and clinical sciences. These awards are intended to encourage scholarly innovation and to help researchers advance the state of knowledge in



the biomedical sciences. The awards provide support to the scholars as they establish their laboratories and continue their research in the areas of AIDS, cancer, childhood diseases and diseases affecting the elderly. [m](#)

M A R C H

- 1** Applied Medical Informatics 2002 Conference
Towsley Center, Ann Arbor
- 18-20** Management of the Difficult Airway
DoubleTree La Posada Resort, Scottsdale, Arizona
- 23** Advanced Trauma Life Support (Refresher Course)
Towsley Center, Ann Arbor

A P R I L

- 5-6** Transesophageal Echocardiography Seminar
Towsley Center, Ann Arbor
- 10-12** Annual Clinical Update in Obstetrics and Gynecology
Towsley Center, Ann Arbor
- 13** Common Problems in Office Practice
Novi Hilton, Novi
- 26-27** Advanced Trauma Life Support (Instructor Course)
Towsley Center, Ann Arbor

M A Y

- 2-4** 30th Annual Spring Update in Internal Medicine
Towsley Center, Ann Arbor
- 22-24** 20th Annual Symposium: Automated Information Management in the Clinical Laboratory (AIMCL), featuring "Hot Topics" workshop
Towsley Center, Ann Arbor
- 31-June 1**
Clinical Update in Macular and Vitreoretinal Diseases
Kellogg Eye Center, Ann Arbor

Course dates may change. For verification or more information about course locations and content, call or write: Office of Continuing Medical Education, Department of Medical Education, University of Michigan Medical School, Box 1157, Ann Arbor, MI 48106-1157.

Phone: (734) 763-1400 or (800) 800-0666

Fax: (734) 936-1641

Web site: www.med.umich.edu/meded

E-mail: Registrar Joyce Robertson at robanjoy@umich.edu

Dean Allen Lichter and Stephen Weiss Elected to Institute of Medicine

Two noted researchers from the U-M Medical School are among the 60 new members of the prestigious Institute of Medicine, the medical component of the National Academy of Sciences. **Allen S. Lichter** (M.D. 1972) and **Stephen J. Weiss**, M.D., join 25 other U-M faculty in the Institute, which has a total active membership of 632.

Institute of Medicine membership is an honor reserved for those who have made distinctive contributions to health through biomedical or social sciences research or leadership in the health professions. One-fourth of members are drawn from outside the traditional health disciplines. Only Harvard University and its several affiliated hospitals had more faculty elected this year than did Michigan, which had a total of four faculty elected University-wide.

"Election to the Institute is a major professional honor, and the U-M is fortunate to have contributed a total of 13 new members in the past four years," said Gilbert S. Omenn, M.D., Ph.D., U-M executive vice president for medical affairs. "The Institute of Medicine provides an important mechanism for bringing together talented individuals committed to improving the health of our country's population. Allen Lichter and Stephen Weiss exemplify the highest

"Allen Lichter and Stephen Weiss exemplify the highest standards in patient-oriented medical research..." — Gilbert S. Omenn

standards in patient-oriented medical research, and the fertile interdisciplinary culture of the U-M helps faculty and students realize the multiple interacting causes of illness and injury."

Lichter is dean of the Medical School and the Newman Family Professor of Radiation Oncology. He has specialized in the treatment of breast cancer and lymphoma and has clinical research interests in the treatment of breast cancer, radiation therapy treatment planning, and conformal, computer-controlled radiation.

Dean Lichter is a former director of the radiation therapy section of the National Cancer Institute's Radiation Oncology Branch. He was an early advocate of the lumpectomy approach to the treatment of breast cancer and conducted one of the trials that found combined use of lumpectomy and radiation therapy to be as effective as traditional mastectomy treatment. Lichter and the Department of Radiation Oncology have made major contributions in the field of three-dimensional treatment planning and conformal radiation therapy, helping to create new methods of treating cancer with radiation.

Weiss is the E. Gifford and Love Barnett Upjohn Professor of Internal Medicine and Oncology. He holds joint faculty appointments in the Medical School's Cell and Molecular Biology Program and the Department of Internal Medicine's Division of Hematology and Oncology.

Weiss studies what happens to the extracellular matrix — a molecular scaffold that links cells together — during inflammatory disease and invasive cancer. He has discovered a previously unknown mechanism for tissue damage in humans involving a highly destructive class of metalloproteinase enzymes. These enzymes are involved in the spread of malignant cells to different parts of the body — a process called metastasis — and in the growth of blood vessels to cancerous tumors. Weiss's research laboratory is attempting to isolate and identify genes that regulate these tissue-destructive and invasive processes in animals. [m](#)

—Mary Beth Reilly



Allen Lichter was an early advocate of the lumpectomy approach to treating breast cancer and conducted one of the trials that found lumpectomy and radiation therapy to be as effective as traditional mastectomy treatment.



Photo: Martin Vibeit

Stephen Weiss studies the extracellular matrix during inflammatory disease and invasive cancer. He has discovered a previously unknown mechanism for tissue damage in humans that is involved in the spread of malignant cells to different parts of the body.