

In the Limelight



Adams

Barbara S. Adams (M.D. 1984), director of Pediatric Rheumatology, and **Robert W. Ike**, M.D., associate professor in the Department of Internal Medicine, were presented with the 2002 Clinician Scholar Educator Award at the annual scientific meeting of the American College of Rheumatology/Association of Reproductive Health Professionals in October 2002. The award was presented to both physicians for their dedication to providing exemplary educational experience in rheumatology to medical students and training centers. The award is given each year to American



Ike

College of Rheumatology members selected by the College's Research and Education Foundation committee. This year, six members received the award. The American College of Rheumatology is dedicated to healing, preventing disability and curing more than 100 types of arthritis and other disabling disorders.



Carol R. Bradford (M.D. 1986, Residency 1992), associate professor and division chief of Surgery in the Department of Otolaryngology, has been recognized by the Association of American Medical Colleges and Pfizer Medical Humanities as one of 52 outstanding physicians and role models nationwide. Medical students make the nominations for this annual recognition program.

Several Medical School faculty were among 21 Michigan faculty recognized by the U-M Office of the Vice President for Research in October 2002 for their teaching, scholarship, service and creative activities: **Alphonse R. Burdi** (Ph.D. 1963), professor of cell and developmental biology; director, Integrated Premedical-Medical Program; and research scientist, Center for Human Growth and Development, received the Distinguished Faculty Governance Award in recognition of his years of governance participation, with an emphasis on University-wide service. **Don B. Clewell**, Ph.D., professor of microbiology and immunology and of dentistry, was among five U-M faculty to receive a Distinguished Faculty Achievement Award, which recognizes extraordinary achievements in teaching, scholarly research or creative endeavors.



Burdi



Metzger

Joseph M. Metzger, Ph.D., professor of physiology and of internal medicine, was selected for the Faculty Recognition Award based on his substantive contributions to the University through significant achievements in research and other scholarly activities. **Michael A. Savageau**, Ph.D., professor emeritus and past chair of Microbiology and Immunology, was presented with the Distinguished University Professor Award. Distinguished University Professors are scholars of great depth and breadth, as well as outstanding teachers and mentors.



Steven Goldstein, Ph.D., Henry Ruppenthal Family Professor of Orthopaedic Surgery and Bioengineering, director of orthopaedic research, and associate dean for research and graduate studies at the U-M Medical School, has been recognized for his outstanding professional achievements and contributions to society. In October 2002 at its annual Alumni Society Awards Dinner, the U-M College of Engineering presented Goldstein with the Alumni Society Merit Award for Biomedical Engineering for his many achievements throughout his career. Goldstein, who is also a senior research scientist for the Institute of Gerontology, has published more than 125 articles, serves on six editorial boards and is a reviewer for 15 research journals. He is an elected fellow of the American Institute of Medical and Biological Engineering and the



Clewell



Savageau

American Society of Mechanical Engineers. His research focuses on connective tissue diseases, including their prevention and treatment.

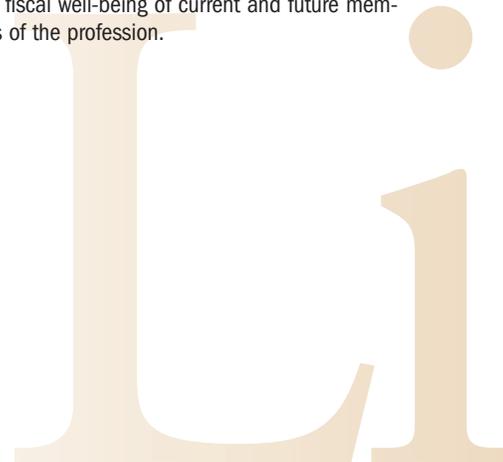


Susan Goold (M.D. 1987, Residency 1992), director, Bioethics Program, and assistant professor of internal medicine at the U-M Medical School, is the recipient of the 2002 Mark S. Ehrenreich Prize in Healthcare Ethics Research. The Pacific Center for Health

Policy and Ethics at the University of Southern California made the award in August 2002 at the annual meeting of the Society for General Internal Medicine. Goold, the primary author, along with four co-authors, received the award for the paper "Will Insured Minnesotans Give Up Benefit Coverage to Include the Uninsured?" Each year, the Mark S. Ehrenreich Prize is presented to a multidisciplinary research paper that focuses on the medical, philosophical or social science issues relating to health care ethics. The Pacific Center for Health Policy and Ethics works to enhance health care quality through research on health policy and ethics issues, and to build coalitions among groups with a stake in the outcome of health care decisions.



John Greden, M.D., executive director of the U-M Depression Center and Rachel Upjohn Professor and chair of Psychiatry at the U-M Medical School, became president-elect of the American Association of Chairs of Departments of Psychiatry in November 2002. The Society consists of chairs of the 117 academic departments of psychiatry, and its mission is to further research, educational, clinical and fiscal well-being of current and future members of the profession.



James Ferrara Receives Doris Duke Distinguished Clinical Scientist Award

James L.M. Ferrara, M.D., director of the University of Michigan Health System's Blood and Marrow Transplant Program, is a recipient of the prestigious 2002 Doris Duke Distinguished Clinical Scientist Award in the field of oncology. Ferrara was selected from a field of distinguished candidates in translational cancer research for this highly competitive national award; he is one of only five scientists to receive the Award this year. Ferrara has distinguished himself as an expert in bone marrow transplantation, in both research and clinical care delivery, helping to make the U-M Health System's Blood and Marrow Transplant Program one of the most respected in the U.S.



The Doris Duke Charitable Foundation funds only five such awards in four disease categories: cancer, AIDS, cardiovascular diseases, or sickle cell anemia and other blood disorders. The award includes up to \$1.5 million in research funds over the next five to seven years to support Ferrara's ongoing laboratory research for the development of improved therapeutic strategies for prevention and treatment of acute graft-versus-host disease. One of the foundation's goals is to support career development in young physician-investigators.

U-M's 2003 Golden Apple Award for Outstanding Teaching Goes to Medical School's Tom Gest



Tom Gest, Ph.D., associate professor in the Departments of Cell and Developmental Biology and Anatomical Sciences, and director of the Anatomical Donations Program, has received the annual Golden Apple Award from U-M's Students Honoring Outstanding University Teaching. Gest was chosen from more than 300 student-submitted nominations across the University. He is the 13th faculty member to receive a Golden Apple Award and the first winner from the Medical School.

The award recognizes exceptional teaching and mentoring on the University of Michigan campus and honors, in the words of the student group, "those teachers who consistently teach each lecture as if it were their last." At the Golden Apple Awards Ceremony at Lydia

Mendelssohn Theater on January 15, Gest delivered his "ideal last lecture," entitled "Doctoring Education for Future Doctors."



Hammoud



Kronfol

The U-M Complementary and Alternative Medicine Research Center announced its 2002-03 faculty scholars for the new Faculty Scholars Program in Integrative Healthcare. The Program provides academic faculty participants with resources to develop evidence-based curricula in integrative health. Among the seven scholars selected from across the U-M campus are three members of the Medical School: **Maya Hammoud** (M.D. 1996), Obstetrics/Gynecology; **Ziad Kronfol, M.D.** (Residency 1982), Psychiatry; and **Amy Saunders, M.D.**, General Medicine.



Robert Hensinger (M.D. 1964, Residency 1974), a professor in the Department of Orthopaedic Surgery and chair of the Department of Orthopaedics, was recently presented with a community service award from the Ann Arbor Board of Education. The award recognizes his meritorious contributions to the Ann Arbor Public Schools and his devotion to public service, specifically the community work Hensinger has done throughout the years related to scoliosis detection. ➤



P. Landis Keyes, Ph.D., professor of physiology and research scientist, Reproductive Sciences Program, was installed last summer as the new president of the Society for the Study of Reproduction. Keyes will serve as president at the 36th annual meeting of the

Society in July. The Society has 2,300 members representing 43 countries, and publishes the leading journal in the reproductive sciences, *Biology of Reproduction*.



Richard F. Keep, Ph.D., has been appointed Crosby-Kahn Collegiate Professor of Neurosurgery and Neuroanatomy by the U-M Board of Regents. This collegiate professorship was established at the U-M Medical School in 1993 to recognize the significant contributions made by

Elizabeth C. Crosby and Edgar A. Kahn, and their efforts in promoting the importance of involving neuroscientists in understanding and managing complex clinical problems. Keep has earned international recognition in the areas of blood-brain barrier function, cerebrospinal fluid, and the role of the choroid plexus in regulating its composition of ions and metabolites. An experienced teacher and mentor, he has trained numerous postdoctoral fellows and neurosurgery residents in the Department of Neurosurgery.



Theodore S. Lawrence, M.D., Ph.D., Isadore Lampe Professor of Radiation Oncology and chair, Department of Radiation Oncology, was appointed president-elect of the American Society for Therapeutic Radiology and Oncology for the 2003 term. Lawrence has been active in

the Society since 1993, serving for five years as vice chair of the Scientific Program Committee. ASTRO is the largest radiation oncology society in the world, with 7,000 members who specialize in treating patients with radiation therapies. ➤

Thomas Schwenk, Michael Savageau Elected to the Institute of Medicine



Schwenk



Savageau

Thomas L. Schwenk (M.D. 1975), professor and chair of Family Medicine and professor of medical education, and **Michael A. Savageau, Ph.D.**, professor emeritus and former chair of Microbiology and Immunology, were elected in October 2002 to the prestigious Institute of Medicine, the medical organization of the National Academy of Sciences. Election to the Institute 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. Schwenk and Savageau's elections bring the total number of U-M Medical School faculty members elected to the Institute over the years to 29, with 19 currently active members.

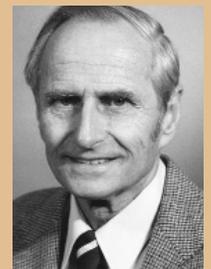
Schwenk joined the Medical School faculty in 1984, was appointed interim chair of the Department of Family Medicine in 1986 and named permanent chair in 1988. His research has focused on psychiatric epidemiology in primary care, with an emphasis on the diagnosis and treatment of depression. He is a member of the steering committee of the U-M Depression Center, a member of the National Advisory Committee of the Robert Wood Johnson Generalist Faculty Scholars Program, and a member of the board of directors of the American Board of Family Practice. Schwenk has published over 100 papers and books.

Michael Savageau became a member of the University of Michigan faculty in 1970; he chaired the Department of Microbiology and Immunology from 1993 until his retirement at the end of 2002. A pioneer in the field of biochemical systems analysis, he founded the U-M Bioinformatics Program in 1988 and served as its director until 2001. Savageau's book, *Biochemical Systems Analysis: A Study of Function and Design in Molecular Biology*, is considered a classic and a forerunner to the field of functional genomics. He is a fellow of the American Association for the Advancement of Science and, since 2000, has chaired the Special Study Section on Biochemical Modeling at the National Institutes of Health.

Institute of Medicine members serve on national committees studying a broad range of health policy issues. Currently, there are 1,358 active members in the Institute.

Former Allergy Chief Kenneth Mathews' U-M Career Spanned Four Decades

Kenneth Pine Mathews (M.D. 1943, Residency 1949) died on December 28, 2002, in La Jolla, California, after a long struggle with Parkinson's Disease. He was 81 years old. Mathews was a professor of internal medicine at the U-M Medical School from 1948-86 and chief of the Division of Allergy from 1967-83. He served as editor of the *National Journal of Allergy and Clinical Immunology* from 1968-72, was the recipient of numerous awards and co-authored a major textbook on clinical allergy. Contributions may be made in Mathews' memory to the U-M Division of Allergy Endowed Fellowship Fund, Medical Development Office, 301 E. Liberty, Suite 300, Ann Arbor, MI 48104-2251.



Medical School Inaugurates the Norman Thompson, M.D., Professorship in Surgery

Gerard M. Doherty is installed as the first Thompson Professor

Thursday, September 12, 2002, marked the inauguration of the Norman Thompson, M.D., Professorship in Surgery in the University of Michigan Medical School. Gerard M. Doherty, M.D., professor and head of General Surgery, was named the first recipient of the endowed professorship, named in honor of Professor Emeritus Norman Thompson (M.D. 1957, Residency 1962) in the School's Department of Surgery.

Doherty graduated from Yale Medical School in 1986, where he received the John Peters Prize for Outstanding Thesis. Subsequently, he trained in general surgery at the University of California-San Francisco, then completed a surgical oncology fellowship at the National Cancer Institute. He returned to UCSF to become chief resident in the Department of Surgery from 1992 to 1993, then joined the faculty of the Washington University Medical School in St. Louis as an assistant professor. In 2002 he was appointed professor and head of the Section of General Surgery at the U-M Medical School.

Doherty's research involves the surgical management of multiple endocrine neoplasia and the role of interferon-gamma in tumor suppression. He has authored more than 65 peer-reviewed articles, edited several medical texts and written 46 book chapters. In addition to serving on the editorial board of the journal *Annals of Surgical Oncology*, Doherty is an active committee member for several organizations, including the American Association for Cancer Research and the American Association for Endocrine Surgeons.

The Thompson Professorship was established by Elizabeth "Betty" Upjohn-Mason, president of the Upjohn National Leasing Company founded by her late husband, Burton H. Upjohn. Upjohn-Mason is a well-known philanthropist, educator,

community activist and volunteer. She has chaired the Kalamazoo Community Foundation, was appointed to the Michigan Council for the Arts and Cultural Affairs by former Michigan Governor John Engler, and received the YWCA 1986 Women of Achievement Award.

Upjohn-Mason requested that the professorship be named in honor of Thompson in recognition of his kindness and medical service to the Upjohn family. Thompson twice operated on Burton Upjohn, who suffered from polycystic kidney disease and hyperthyroidism. Both procedures proved to be critical for Upjohn, preventing an untimely death. During his prestigious career, Thompson served as president of both the American and International Associations of Endocrine Surgeons, and produced an immense body of work that includes 270 scientific articles.

—RS

Photos by Gregory Fox



Gerard Doherty with Dean Allen Lichter



Gerard Doherty, Elizabeth Upjohn-Mason, Norman W. Thompson

Lincoln

Albert J. Silverman Pioneered Early Space Psychiatry and Neuroscience Research



Alan Leichtman, M.D., medical director of Kidney and Pancreas Transplantation and associate professor in the Department of Internal Medicine, has been appointed chair of the United Network for Organ Sharing's Kidney/Pancreas Transplantation Committee. The committee

also serves the Organ Procurement and Transplantation Network. The Kidney/Pancreas Transplantation Committee covers the medical, scientific and ethical aspects related to kidney/pancreas organ procurement, allocation and sharing. The committee looks at the broad implications as well as the specific situations involved with these issues. Leichtman has served on the committee as vice chair since 2000 and has also served on the Membership and Professional Standards and Ad Hoc Donations committees.



Rowena Matthews, Ph.D., the G. Robert Greenberg Distinguished University Professor of Biological Chemistry, was named the 2003 Henry Russel Lecturer; Matthews delivered her lecture in March. The Russel Lectureship, one of the highest honors the University awards to a

senior faculty member, recognizes an outstanding career in research, teaching and service. The Russel Lectureship was established in 1925 with a bequest from Henry Russel of Detroit, who received three degrees from U-M.



Lewis B. Morgenstern (M.D. 1990) has been appointed by the Department of Neurology as the director of the Stroke Program at the U-M Health System. Morgenstern is also an associate professor in the Departments of Emergency Medicine and Neurosurgery at the U-M

Medical School, and of Epidemiology at the School of Public Health. As director of the Stroke Program, Morgenstern, whose clinical expertise is in acute stroke treatment and stroke prevention, will work to bring together several diverse areas within the Health System.



Albert J. Silverman, M.D., noted psychiatrist, neuroscience researcher and former chair of the U-M Medical School's Department of Psychiatry, died of cancer in Santa Barbara, California, on May 10, 2002. He was 77.

In the mid-1950s, Silverman led research for the U.S. Air Force on space neuroscience and psychology, which rose from obscurity to prominence literally overnight in 1957 with the Russian launch of Sputnik and the dawn of the space race. He helped invent a device that used pilots' brain waves as an oxygen-deprivation warning system.

Silverman was one of three founders of the Rutgers Medical School in 1963 and chaired its first psychiatry department. In 1970, he became chair of psychiatry at the University of Michigan Medical School and is credited with redirecting the department's research, education and treatment programs. Silverman returned to research and clinical care in 1981 and retired in 1990, continuing to make contributions as professor emeritus. During his career, Silverman sought to bridge the divide between the rising field of neuroscience-based psychiatry and traditional psychoanalysis. A research conference named for him has been held annually for 12 years at the U-M.

Gifts in Silverman's memory may be made to the U-M Department of Psychiatry and sent to the Office of Medical Development, 301 E. Liberty St., Suite 300, Ann Arbor, Michigan, 48104-2251.

—KG

U-M Mental Health Research Institute Founder James Miller Is Dead at 86

James Grier Miller, M.D., Ph.D., founding director of the University of Michigan Mental Health Research Institute, died November 7, 2002, at his home in La Jolla, California. He was 86.

In 1955, Miller accepted the invitation of Raymond Waggoner (M.D. 1924), Sc.D., chair of the U-M Medical School's Department of Psychiatry, to establish an interdisciplinary institute dedicated to the behavioral sciences, an advanced concept at the time. The broad nature of the Mental Health Research Institute was reflected in the disciplines represented by its members, who came from diverse University units that included the Law School and the Departments of Political Science, Psychology, Biological Chemistry, Sociology, Urban Planning and Psychiatry. Miller also initiated a new journal at the institute, *Behavioral Science*.

Miller left the institute in 1967 to pursue an administrative career, first as provost of the newly founded Cleveland State University, and then in 1973 as president of the University of Louisville, a position from which he retired in 1980. In 1978, together with his wife and collaborator, Jessie, Miller made the case for a unified approach to the biological, psychological and social sciences in the book *Living Systems*, which he regarded as the capstone of his career.

Miller was preceded in death by Jessie, his wife of 63 years, who died in July 2002. They are survived by their sons John Miller, M.D., of Indianapolis, Indiana; Thomas Miller, M.D., of San Clemente, California; and three grandchildren.

—Bernard Agranoff, M.D.

Friedhelm Hildebrandt Installed as the First Frederick G.L. Huetwell Professor of the Cure and Prevention of Birth Defects

On Wednesday, October 16, 2002, Friedhelm Hildebrandt, M.D., was installed as the University of Michigan Medical School's first Frederick G.L. Huetwell Professor for the Cure and Prevention of Birth Defects. The professorship, awarded to a distinguished member of the Department of Pediatrics and Communicable Diseases, was established by a bequest from College of Literature, Science and the Arts alumnus Frederick G.L. Huetwell, who passed away in 1994.

Hildebrandt stands as one of the top scientists in renal genetics in the world. His work on the molecular genetics of renal disease has resulted in several key discoveries, including the identification of the gene responsible for juvenile nephronophthitis types I and IV. His studies of Bartter Syndrome led to the identification of three genes implicated in the phenotypic presentations of the disease. Hildebrandt is now in the process of investigating the genetic origin of familial steroid responsive nephritic syndrome in childhood.

After receiving his medical degree from Germany's Heidelberg University, Hildebrandt completed a pediatric residency at Marburg University, also in Germany, in 1987 and a postdoctoral fellowship in nephrology at Yale University in 1990. He joined the U-M in 2001 as a joint professor in the Department of Pediatrics and Communicable Diseases and the Department of Genetics. Hildebrandt is a member of the International Society for Nephrology and the American Association for the Advancement of Science, among other organizations, and serves on the editorial boards of the *Journal of the American Society of Nephrology*, *Kidney and Blood Pressure and Nephrology Dialysis Transplantation*. He is a former fellow of the American Heart Association, a Heisenberg Scholar of the German Research Foundation and the recipient of an Outstanding Research Award from Freiburg University Hospital.

Frederick G.L. "Fritz" Huetwell was a great friend to the U-M and the Medical School, and one of the University's leading benefactors. In 1995 he left a bequest of nearly \$17 million to the U-M, with more than \$9 million dedicated to endowments in the Medical School. Along with the Professorship for the Cure and Prevention of Birth Defects, Huetwell's bequest enabled the establishment of four other professorships and one research endowment.

In spite of lifelong disabilities related to cerebral palsy, Huetwell attained a bachelor's degree in history from the College of Literature, Science and the Arts in 1938. He was an active alumnus who served as executive director of the University of Michigan Club of Greater Detroit, helped conduct many Alumni Association tours, and frequently attended sporting and musical events on campus.

—RS



Sean Morrison, Ph.D., assistant professor of internal medicine and of cell and developmental biology, is the winner of a *WIRED* Rave Award from the editors of *WIRED* magazine. Morrison, an expert on stem cell development, won in the scientist category and received his award in January in San Francisco. The *WIRED* Rave Awards celebrate innovation and those individuals who are transforming commerce and culture. Rave Award winners represent emerging voices from art, entertainment, business, design, sports, science and politics whose achievements have contributed to the creative evolution of their field.



Lisa Newman, M.D., M.P.H., is the new director of the Breast Care Center, which is part of the U-M Comprehensive Cancer Center. Newman, who also serves as an associate professor in the Department of Surgery, will be responsible for directing clinical services for women with benign and cancerous breast problems. Newman is a national leader in the field of breast cancer research. Prior to joining the U-M Medical School, she served as an assistant professor of surgery at the M.D. Anderson Cancer Center in Houston, Texas, with a full-time commitment to research and clinical practice in the Surgical Breast Section. She was also associate director for the Walt Breast Center at Wayne State University for two years. [m](#)

—MBR

Corrections

The Fall 2002 issue inadvertently attributed U-M M.D. and residency completion dates for David W. Wu. In fact, Wu, who was in high school during the years we assigned to his medical education, is an M.D./Ph.D. student at the Kellogg Eye Center; he will complete his Ph.D. in 2003 and his M.D. in 2005.

The same issue of *Medicine at Michigan* reported on three Medical School students — Kiran Devisetty, Cynthia Puro, and Philip Zald — accepted to a Howard Hughes Medical Institute-National Institutes of Health program; the correct name of that program is the Cloister Research Scholars Program.

Photo: Gregory Fox



Jon Gandelot (representing Fritz Huetwell), Friedhelm Hildebrandt, Dean Allen Lichter and Jean Robillard



Front row: **Paulette Metoyer** (accepted award on behalf of **Fred Morady**), **Maria Ceo**, who received the **Administrator of the Year Award**, **Sam Hanash**, **Margie Andreae**, **Sofia Merajver**, **Karin Muraszko**, **Timothy Johnson**, **Dean Allen Lichter** Back row: **Donna Eder**, recipient of the **Staff Member of the Year Award**, **Ameed Raof**, **Arno Kumagai**, **April Joy Ping**, **Andrew Zweifler**, **Mel Barclay**, **Michael Shea**, **Gerald Abrams**

Second Annual Faculty Awards Dinner

Dean Allen Lichter's second annual Faculty Awards Dinner was held on October 10, 2002, at the Polo Fields Country Club in Ann Arbor. The purpose of the dinner is to recognize outstanding faculty and staff for their dedication to excellence through teaching, research and service to others. Fifteen faculty awards were given this year.

Mel Barclay, M.D., associate professor of obstetrics and gynecology, and **Gerald Abrams** (M.D. 1955, Residency 1957), professor of pathology, both received the Lifetime Achievement Award in Medical Education in recognition of their long and distinguished careers as educators at the Medical School. Barclay was one of the first educators in any field to use computerized testing, self-evaluation and distance learning. In addition to Abrams' heavy teaching load within the school, he has directed and taught Mini-Med School, an outreach program that educates the local community in the basics of medicine.

Sofia Merajver (M.D. 1987, Residency 1993), Ph.D., associate professor of internal medicine in the Division of Hematology Oncology, was the recipient of the Achievement in Basic Science Award for her research program which focuses on answering questions in molecular and cell biology that pertain to specific clinical problems.

Fred Morady, M.D., professor of internal medicine in the Division of Cardiology, was recognized with the Achievement in Clinical Research Award for his work in catheter ablation procedures, which has had a great impact on the treatment of heart arrhythmias.

Christin Carter-Su, Ph.D., professor of physiology, was awarded the Distinguished Faculty Lectureship in Biomedical Research Award for her research in the area of signal transduction, specifically the mechanism of growth hormone receptor signaling.

Karin Muraszko, M.D., associate professor of pediatric neurosurgery, **April Joy Ping** (M.D. 1994), a clinical instructor II in pediatrics, and **Andrew Zweifler**, M.D. (Residency 1960), profes-

sor of internal medicine, were given Community Service Awards for their community contributions. Muraszko is a member of numerous committees within the University and a volunteer for many organizations, including the Ann Arbor Schools Health Sciences Technology Program, the March of Dimes, and Heal the Children. Ping frequently speaks at churches on the prevention of drug use and early sexual activity for children, assists in the training of Head Start staff for the state of Michigan, and established the Howell Pediatric Teen Clinic. Zweifler serves, without compensation, as medical director of the Thea Bowman Wellness Institute, which provides primary care services to the medically uninsured people of Highland Park and Hamtramck.

Margie Andreae (M.D. 1991), assistant clinical professor of pediatrics, received the Clinical Award for Primary Care for creating and implementing a productivity-based compensation program for the primary care clinical service workforce, which led to a 20 percent increase in pediatric primary care productivity after the first year.

Timothy Johnson, M.D., associate professor of dermatology, was the recipient of the Clinical Award for the Specialist for his relentless dedication to the improvement of patient care, which has contributed to his maintaining the highest patient satisfaction scores every survey period within the Health System since the inception of the survey process in 1998.

Sam Hanash, M.D., Ph.D., professor of pediatrics, was given the Innovations Award in recognition of his pioneering work on the implementation of novel strategies for profiling gene expression using proteomics.

Michael Shea (M.D. 1975, Residency 1982), professor of internal medicine in the Division of Cardiology, was awarded the Kaiser Permanente Teaching Award for Clinical Education for his dedication to teaching students to value the importance of clinical skills such as history-taking, EKG, X-ray and echo-cardiogram, before they proceed to the clinic.

Arno Kumagai, M.D., assistant professor of internal medicine in the Division of Endocrinology, was given the Kaiser Permanente Teaching Award for Basic Science in recognition of his emphasis on basic patho-physiological foundations of endocrine disorders, and on the importance of personal interactions, appreciation of the patient's perspective, and patient advocacy in working with individuals with diabetes in his teaching.

Joyce Wahr, M.D. (Residency 1981), associate professor of anesthesiology, was honored with the Assistant Dean Recognition Award for completion of her tenure as assistant dean for Admissions and Financial Aid. During her leadership of the department she developed the first codified admissions policy for the Medical School and implemented the merit scholarship program, both of which have contributed to strengthening the quality of incoming classes.

Michael Savageau, Ph.D., professor emeritus and former chair of Microbiology and Immunology, was awarded with the Departing Chair Recognition for his service in that position since 1992. During his tenure, Savageau served as visiting professor at several elite schools in Europe, received several honors and awards, and served on numerous editorial boards and advisory panels.

—MF