Lifetime Achievement Award in Medical Education

Mel L. Barclay, M.D., associate professor, Obstetrics & Gynecology

Instrumental in improving the quality of medical education at the University of Michigan Medical School and at its clinical teaching sites, Dr. Mel Barclay was one of the first educators in any field to use computerized testing, self-evaluation, and distance learning. He is nationally known for his introduction of various computer-oriented teaching activities to medical education, and has presented this work at numerous national meetings. Dr. Barclay has been twice chosen to receive the APGO Excellence in Teaching Award. He has served on the APGO Committee on Undergraduate Education, Task Force on Ethics in Undergraduate Education, and the Testing and Technology Project.

In the Department of Obstetrics and Gynecology, Dr. Barclay is responsible for all rotational activities, for curricular development and for writing and scoring examinations. He also organizes the Longitudinal Primary Care rotation for fourth year medical students. Dedicated to educational excellence, Dr. Barclay has also created and implemented a gross pathology web page and a mock medical malpractice exercise for the third year class.

Perhaps Dr. Barclay's greatest impact over the years has been his commitment to personal mentoring of students. He is able to see the big picture of medical education, while keeping his eye on the importance of each individual student. Few professors are as beloved as is Dr. Barclay. He is a devoted teacher and is most deserving of the Lifetime Achievement Award in Medical Education.

Lifetime Achievement Award in Medical Education

Gerald Abrams, M.D., professor, Pathology

An active, committed teacher and good citizen in the Medical School for more than forty years, Dr. Gerald Abrams has served as Coordinator of Education and Course Director of Pathology 600 from 1968 until 1985. Since the early 1970's he has taught a 20 hour lecture series to first year medical students, first as a part of the Introduction to Clinical Sciences course and then as a free standing Pathology course.

In addition to his heavy medical student teaching load, Dr. Abrams participates in all aspects of Medical School life. For the past two years he has directed and taught the Mini-Med School, an important community outreach effort. This program has been extremely well received, and promises to become a permanent fixture. Dr. Abrams has won a major teaching award in each of the last four decades, winning the Crosby Award in 1969, 1987, and 1998 and the Kaiser Permanente Teaching Award in 1978. His continuing excellence is evidenced by the rave evaluations of his students. As part of the School's Sesquicentennial celebration, Dr. Abrams was one of six professors to have a Medical School lecture hall named in his honor. Often called upon to deliver the keynote address at the traditional White Coat Ceremony, the milestone that marks the inception of a student's medical training, Dr. Abrams is often the first professor to address our entering students.

Generations of Michigan medical students have been fortunate to learn Pathology and disease processes from this truly outstanding teacher. Dr. Abrams never hesitates to volunteer his time for the good of medical education. He is a truly unique teacher that has made exceptional contributions to medical education and is worthy of the Lifetime Achievement Award in Medical Education.

Achievement in Basic Science Research Award

Sofia Merajver, M.D., Ph.D., associate professor, Internal Medicine, Division of Hematology Oncology

One of the most talented and highly motivated young physician scientists at the U-M, Dr. Sofia Merajver's research program focuses on answering questions in molecular and cell biology that pertain to specific clinical problems. Her goal is to understand the fundamental processes sufficiently enough to translate these advances to the care of cancer patients. Reflecting her quantitative graduate training in Physics and her professional degree in Medicine, she employs a wide variety of rigorous basic research tools to answer questions that emanate from her experiences in the clinic.

Following her Ph.D., Dr. Merajver began her academic career as a physicist. Later, she developed a passion for medicine and medical research. She completed medical school and internal medicine residency training at the U-M where she was recognized for her potential for a successful career in academic medicine.

She then joined the Hematology/Oncology Fellowship Training Program where she has excelled in two major areas of research: She studies the molecular genetics of breast cancer and has played a pivotal role in the identification and characterization of the BRCA-1 and –2 genes that are now known to target individuals who are susceptible to breast and ovarian carcinoma. Recently, Dr. Merajver has focused her attention on the identification and characterization of genes that are expressed by the most malignant forms of breast cancer, inflammatory breast carcinoma (IBC). In addition, she has worked with Dr. George Brewer to develop tetrathiomolybdate, a copper depleting compound first used in the treatment of Wilson's disease, into a potent anti-cancer agent. This drug also holds promise for the treatment of a host of auto-immune inflammatory diseases. Along with her basic research, she remains an active clinician and is Director of the U-M Breast and Ovarian Cancer Risk Evaluation Program.

Dr. Merajver is a role model of an active translational researcher and a most worthy recipient of the Faculty Achievement Award in Basic Science Research.

Achievement in Clinical Research Award

Fred Morady, M.D., professor, Internal Medicine, Division of Cardiology

Through his groundbreaking work in catheter ablation procedures, Dr. Fred Morady has made a substantial impact on the treatment of heart arrhythmias. Along with Dr. Mel Scheinman, Dr. Morady pioneered a catheter ablation technique of the atrioventricular node and published the seminal article on this procedure in JAMA. He has since worked on improving the feasibility, efficacy, and safety of a variety of catheter ablation procedures. His 377 publications include a number of instances in which he was the first to describe a novel application of this technique. Dr. Morady identified critical portions of the reentry circuit of ventricular tachycardia. This lead to a mapping tool that has become a gold standard for mapping maneuvers for selecting target sites for ablation of ventricular tachycardia around the world.

Dr. Morady established the feasibility of performing catheter ablation procedures on an outpatient basis. He also demonstrated the efficacy of catheter ablation techniques through randomized studies comparing the efficacy of direct current vs. radio-frequency catheter ablation of the arterioventricular node; fast vs. slow pathway ablation for atrioventricular nodal reentrant tachycardia; and use of anatomic vs. electrographic mapping approach for ablating AV nodal reentrant tachycardia. The electrophysiologic community around the world quickly incorporated the findings of these trials into clinical practice.

An international leader in the field of cardiac arrhythmias, Dr. Morady's work and has steadily advanced the field to a point where, today, many patients can be cured through the use of catheter ablation techniques.

The Distinguished Faculty Lectureship in Biomedical Research Award

Christin Carter-Su, Ph.D., professor, Physiology

Dr. Carter-Su, a leading scientist in the area of signal transduction and growth hormone receptor signaling, has made fundamental contributions to furthering biomedical research. Growth hormone (GH) has long been recognized as the primary regulator of body growth and an important regulator of metabolism. Recombinant GH is now used therapeutically to promote growth in children with short-stature, increase the well-being of GH-deficient adults, increase the rate of healing of burn patients, and prevent muscle wasting in AIDS and surgical patients. However, our understanding at the cellular and molecular level of how GH elicits its responses has been rudimentary, until recently. Dr. Carter-Su's laboratory is currently focused on delineating the signal transduction pathways at the cellular level by which GH elicits its diverse effects. She has shown that binding of GH to its cell surface receptor rapidly promotes the binding of the tyrosine kinase JAK2 to the GH receptor and activates JAK2. She has also identified a number of different signaling molecules that bind to GH receptor and/or JAK. This is groundbreaking work.

Dr. Carter-Su has served on many scientific review committees and editorial boards, and is frequently invited to speak at national and international conferences. Her recent awards include the Roy O. Greep Lecture Award sponsored by the Endocrine Society, an NIH-Merit Award and Distinguished Medical Lecturer in Medical Science sponsored by the Mayo Clinic.

Dr. Carter-Su is a most worthy recipient of the Distinguished Faculty Lectureship in Biomedical Research.

Community Service Award

Karin Muraszko, M.D., associate professor, Pediatric Neurosurgery

From her local community spirit, to her extensive involvement in professional neurosurgery societies, to her pervasive contributions throughout the entire breadth of the March of Dimes organization, Dr. Karin Muraszko is a remarkable model for community service.

In light of Dr. Muraszko's extraordinarily demanding job, her community service efforts show amazing dedication. She is a member of numerous committees within the University, and is a tireless volunteer for many local, state, national, and international organizations. Locally, the Ann Arbor Schools Health Sciences Technology Program has honored her for her work as a mentor to students. At the state level, she participates in the Women's and Infant Care Program (WIC) that provides funding for pregnant young mothers and their children. At the statewide meeting for this organization in 2000, Dr. Muraszko was the keynote speaker. Nationally, Dr. Muraszko leads and serves many other organizations, including serving as President of the American Association of Neurological Surgeons, and serving on the Neurosurgery Advisory Board.

Dr. Muraszko's work with the March of Dimes perfectly exemplifies the range and impact of her community service; she is actively involved locally, statewide, and nationally. Within the March of Dimes, she was a member of the Organizing Committee of the UM Health Walk 2000, chaired the entire Southeast Chapter's Folic Acid Campaign, served on the National Advisory Board, and was a featured speaker at the March of Dimes National Convention.

Of her extensive community service contributions, Dr. Muraszko is perhaps best known for her leadership in Heal the Children. She is driving force behind this annual 10-day mission to provide neurosurgical care to disadvantaged children in Guatemala. Heal the Children has dramatically improved the lives of numerous impoverished Guatemalan boys and girls. Dr. Muraszko finds the grueling and dangerous work of Heal the Children "refreshing."

It is a most fitting tribute to this extraordinarily generous and effective faculty member to receive the Medical School Community Service Award.

Community Service Award

April Joy Ping, M.D., clinical instructor, Pediatrics

Bringing together the community in which she lives and works, Dr. Ping's knowledge and dedication to her work and her outstanding community contributions are truly exceptional. She makes time in her busy schedule to serve her community in a variety of capacities, speaking at churches on preventing drug use and early sexual activity in children. She assists in the training of Head Start staff for the State of Michigan, giving lectures on attention deficit disorder and respiratory problems in children.

In addition to maintaining a thriving general pediatric practice, she has established the Howell Pediatric Teen Clinic and serves as its Medical Director. This is the first and only teen clinic in Livingston County. It has filled such a profound need that the Howell Jaycees named Dr. Ping as Person-of-the-Year in 1999. In 2000, the Michigan Jaycees named her Outstanding Young Michigander.

Dr. Ping is an outstanding example of how a physician can be of service to the community.

Community Service Award

Andrew Zweifler, M.D., professor, Internal Medicine

Committed to the notion that quality health care is a right, Dr. Andrew Zweifler's extraordinary efforts in support of the Thea Bowman Wellness Institute, which provides primary care services to the medically uninsured people of Highland Park and Hamtramck, exemplifies the type of commitment that deserves recognition by our institution.

The Thea Bowman Wellness Institute opened to its first patient on September 23, 1997, and by the end of 1999 had seen 1,493 individuals in 4,266 encounters. By all accounts, service has continued to expand. The collaborative, interdisciplinary, integrated team approach adopted by the clinic has proven very effective in providing services targeted to the specific needs of patients attending. Because all patients are uninsured, without the efforts of the Institute, most would not have access to preventive care or traditional primary medicine services.

Dr. Zweifler is currently the Medical Director of the Clinic, and he serves without compensation. He has been instrumental in the fund-raising efforts that have allowed the Clinic to hire a Director of patient Care Services and an acting Director to provide stability and focus to the Clinic effort.

Dr. Zweifler's altruism, vision, and commitment make him a very deserving recipient of the Medical School Community Service Award.

Clinical Award for the Specialist

Timothy Johnson, M.D., associate professor, Dermatology

An exceptional and dedicated clinician, Dr. Timothy Johnson's clinical care is legendary within the medical center. He has maintained the highest patient satisfaction scores every single survey period within the institution since the inception of the survey process in 1998. Even more impressive is the distance between his ratings, second place, and the mean. His program is characterized by frequent and continuous innovation, and he is committed to relentless improvement of patient care within the scope of maximal efficiency, utilization, compliance, and quality. Integrity, honesty, loyalty, endless energy and enthusiasm, passion, pride, kindness, and compassion characterize his persona.

Dr. Johnson's optimism and humanistic qualities are exemplary. He has been listed in *Best Doctors* since 1992. His clinical stature as one of the premier clinicians was on stage during his lecture as the inaugural Rhoda Martel lecturer this year entitled: "Oncology Care: Passion, Performance, and Priority". The Ford Amphitheater was standing room only and he received a standing ovation.

The programmatic leadership skills of Dr. Johnson are superior. He was recruited to the University of Michigan in 1990 to build and direct the cutaneous (Mohs) surgery and multidisciplinary melanoma programs. Both programs were relatively low volume with limited research and accolades. Tim built both programs utilizing outstanding organizational, leadership, and people skills. Today, both programs are flourishing in all three areas of clinical care, teaching, and research and are the largest disease specific specialty clinics of their kind in the United States.

Dr. Johnson's performance as a practicing clinician and as an innovative program leader in the specialty clinical care setting are exemplary. He is most deserving of the Medical School Clinical Award for the Specialist.

Clinical Award for Primary Care

Margie Andreae, M.D., assistant clinical professor, Pediatrics

A compassionate clinician and gifted educator, Dr. Margie Andreae's efforts have had a significant impact on improving the efficiency and productivity of pediatric primary care. Dr. Andreae took the initiative to examine our primary care clinical service workforce, and soon noticed the lack of coordination between clinical work effort and compensation in pediatric primary care. As such, she became the principal architect, and force behind, a novel productivity-based compensation program. Dr. Andreae developed the program, planned its implementation, and guided its success over the past three years.

Following the introduction of this program, productivity in pediatric primary care increased by over 20% in the first year. Dr. Andreae works closely with each faculty member to assess their needs and to provide them with the necessary skills and support for their success. She has received significant national recognition for this compensation program, and presented "sold out" workshops on primary care physician compensation at the national meeting of the Pediatric Academic Societies in 2000 and 2001.

Innovations Award

Sam Hanash, M.D., Ph.D., professor, Pediatrics

Dr. Sam Hanash's pioneering work has focused on the implementation of novel strategies for profiling gene expression using proteomics. Long before proteomics became popular, he began exploring global profiling strategies for the molecular classification of cancer and development of diagnostic markers, which include leukemia, lung cancer and breast cancer. He is an outstanding leader who combined traditional techniques with newly innovated tools to tackle unsolved problems in cancer research. With this new profiling tool, involving 2D gels, he has achieved a landmark goal by uncovering a number of lymphoid and myeloid markers, such as Op18, which has been the subject of over 200 publications worldwide, and was cloned by his laboratory for the first time. These outstanding findings allowed him to define the role of Op18 as a potential therapeutic target in cancer.

Dr. Hanash contributed to the development of immobilized pH gradients for the two-dimensional separation of complex protein mixtures. This process has become a standard tool for proteomics. Other innovative technologies being developed in Dr. Hanash’s lab include the development of potentially automatable liquid-based protein separations and the development of protein microarrays that provide high throughput scanning of cell and tissue proteomes. He was recently elected as the first President of HuPO, the Human Proteome Organization. This prestigious international society will help set the research agenda in proteomics for years to come.

As proven by Dr. Hanash’s record of outstanding achievement in this emerging technology as well as his leadership, he is a deserving recipient of the Medical School Award in Innovation.

Kaiser Permanente Teaching Award in Clinical Education

Michael Shea, M.D., professor, Internal Medicine, Division of Cardiology

Always inspiring his students to do their best, Dr. Michael Shea is a truly dedicated teacher. He sets teaching as a priority and challenges his students to live up to his expectations. He values the importance of clinical skills and always sets aside time to make sure that his students learn the fundamentals of history taking, EKG, x-rays, and echo-cardiograms before they get into the clinic. On the wards, he has students do formal presentations, and involves them in plans for the patient's management. He also spends a significant amount of time running the M2 Cardiovascular Pathophysiology course. Dr. Shea was the recipient of the Galen Silver Shovel Award for Excellence in Clinical Teaching.

In addition to his exceptional teaching skills, Dr. Shea is recognized throughout the institution for the outstanding care that he provides to his patients. He is a leader on both the inpatient and outpatient services. In short, he is a captivating bedside lecturer.

Dr. Michael Shea is a most worthy recipient of the Kaiser Permanente Teaching Award for Clinical Education.

Kaiser Permanente Teaching Award in Basic Science

Arno Kumagai, M.D., assistant professor, Internal Medicine, Division of Endocrinology

Co-Director of the M2 Sequence in Endocrinology at the Medical School, Dr. Arno Kumagai has won numerous awards for his teaching efforts, including the AAMC/Pfizer Award for Humanism in Medical Education and the Health Foundation of New Jersey Award for Humanism in Medicine. In addition to emphasizing basic patho-physiological foundations of endocrine disorders in his teaching, Dr. Kumagai also places particular emphasis on the importance of personal interactions, appreciation of the patient's perspective, and patient advocacy. According to his students, Dr. Kumagai is an ever-present reminder that medicine is more than just learning the facts; he is a constant reminder that the real goal is to help patients manage their health.

Renowned as a rigorous, but beloved, teacher, Dr. Kumagai is active in mentoring medical students and currently serves as a Faculty Honorary for the Galens Medical Society and a Faculty Advisor for the United Asian American Medical Student Association.

Dr. Arno Kumagai is a most deserving recipient of the Kaiser Permanente Teaching Award in Basic Science.

Administrator of the Year Award

Maria Ceo, clinical department administrator, Neurology

Frequently tapped by the School to serve on committees or task forces, Ms. Ceo is often asked to represent clinical department views on health system issues. Members of the Medical School and hospital seek her input and participation because of her experience, communication skills, knowledge base, collegial behavior, willingness to address difficult issues and projects and put in the time and homework for these commitments. She has a balanced view of the sometimes divergent goals and objectives of the departments, Medical School, and Hospital.

Ms. Ceo is also a team player in the Department of Neurology. While it is her responsibility to be the administrative lead in the Department, she seeks advice and input from faculty, staff, and content experts. She is willing and able to work directly on the details of complex Department and Hospital projects. Because the Department is small, she is actively involved in not only long range planning and setting of policy, but also in the implementation and operations of new and ongoing activities and projects. She has a very limited number of management staff, which requires her to become involved in the details of many issues and personally resolve them. She balances all of her roles with ease and gusto.

Her contributions have greatly enhanced the reputation of the Department of Neurology. She is most deserving of the Administrator-of-the-Year Award.

Staff Member of the Year Award

Donna Eder, clinical department associate, Radiology

The Human Resources consultant for the Department of Radiology, Ms. Eder manages all the secretaries, the payroll team, and some of the administrative assistants within the Department.

She has been a dedicated leader throughout the 30 years that she has been in the Department, and is always readily able and willing to work through many issues. Her professionalism is emulated by the best of her staff. In response to a high turnover rate among radiologic technologists, Ms. Eder implemented training sessions to develop leaders and to improve the retention rate of staff.

The nomination review committee noted that people from a variety of different roles within the department lauded Ms. Eder. She is a trusted source who gives sound advice. She easily sees where gaps exist and is most often the person who implements processes to bridge these gaps. To quote one Medical School professor, “Donna is just an endless wealth of knowledge.”

Ms. Eder’s longevity, dedication and exceptional leadership make her a fitting recipient for the Staff Member of the Year Award.

Chair Recognition

Michael Savageau, Ph.D., professor and chair, Microbiology and Immunology

Dr. Savageau, founder and director of the Bioinformatics program from 1998 to 2001, was among the first to identify the need for an integrated approach to understand the processes and the enormous amounts of data arising from the molecular study of biological systems. He began to develop the field of biochemical systems analysis more than 25 years ago.

He joined the faculty in 1970 and directed the Cellular Biotechnology Laboratories in Chemical Engineering from 1988 - 1991. Chair of the Department of Microbiology and Immunology since 1993, he has contributed to the design, administration and long-term success of numerous interdisciplinary programs, including bioengineering, cellular and molecular biology, and the Medical Scientist Training Program.

An outstanding teacher and mentor, he is admired for teaching interdisciplinary courses in a way that makes the material readily accessible to undergraduates and graduates, often relying on analogies to explain complex topics.

His research is focused on the function, design and evolution of gene circuitry. He has published two books and more than 100 scientific articles and has lectured extensively in the U.S. and abroad. He has attracted and trained an international cadre of scholars from eleven different countries in Europe and Asia. Additionally, he has chaired the Special Study Section on Biochemical Modeling at the NIH since 2000 and was the initial Principal Investigator for a $19 million Michigan Life Sciences Research Corridor grant focusing on biological information.

Dr. Savageau is a brilliant and passionate scientist and teacher. His contributions to the Medical School and the worldwide scientific community will be felt for years to come.

Assistant Dean Recognition

Joyce Wahr, M.D., associate professor of anesthesiology, and assistant dean for admissions and financial aid

Dr. Wahr recently completed her tenure as Assistant Dean for Admissions and Financial Aid. She held this post since 1997. Few positions in our organization are as important as that of Admissions Dean. From this post, the lives of countless students are influenced and the composition and quality of our Medical School classes are determined.

As she transitions from this assignment, Dr. Wahr leaves the admissions office in a very strong and healthy state. Under her leadership, the admission selection process was modified and refined so that final admission decisions are made by a single committee – the Executive Admissions Committee. She has also developed the first codified admissions policy for the Medical School. The policy reflects the School's mission to promote diversity and highlights the importance of creating classes that will be true communities. Dr. Wahr also implemented our merit scholarship program and has contributed to strengthening the quality of our incoming classes.