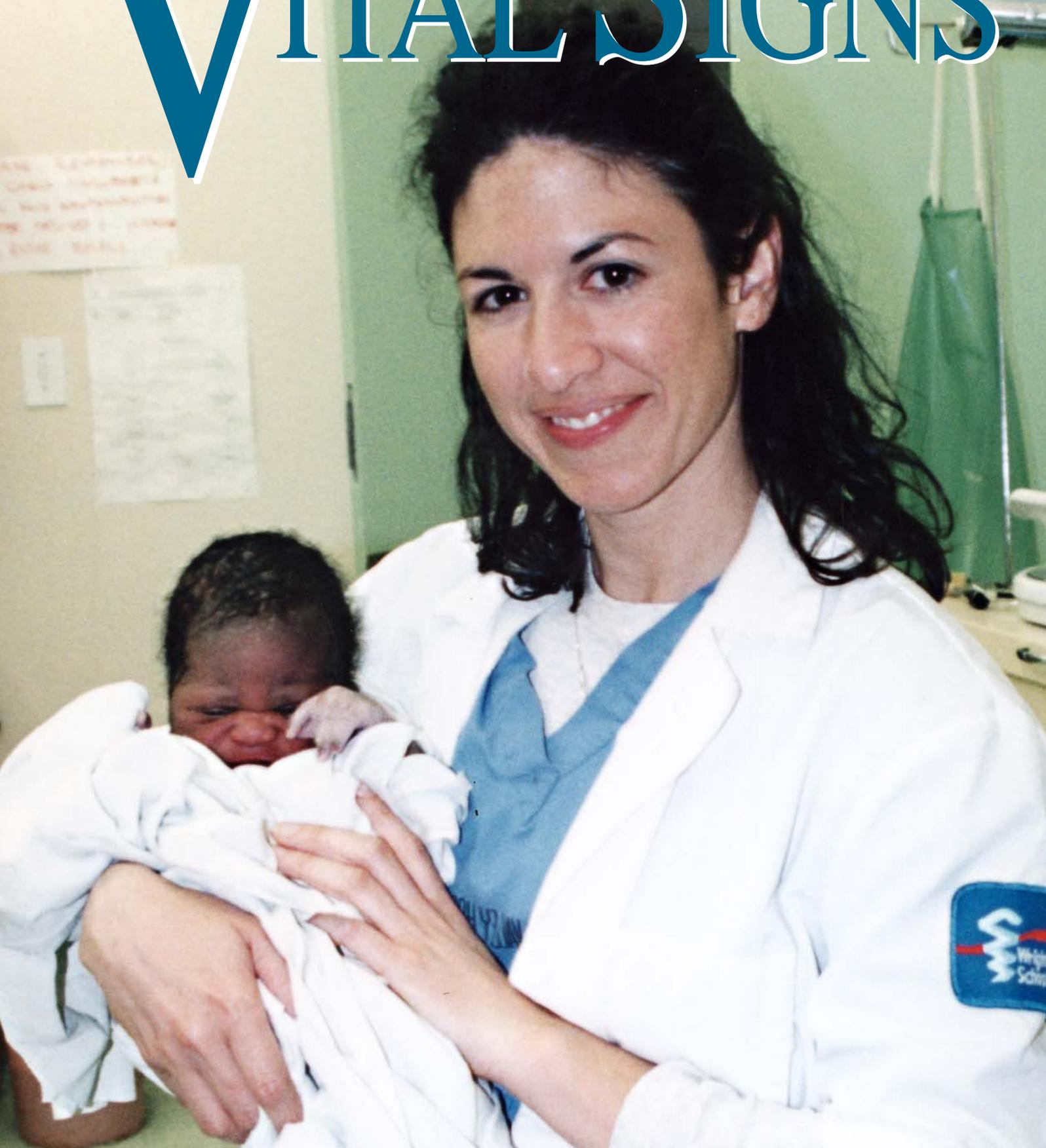


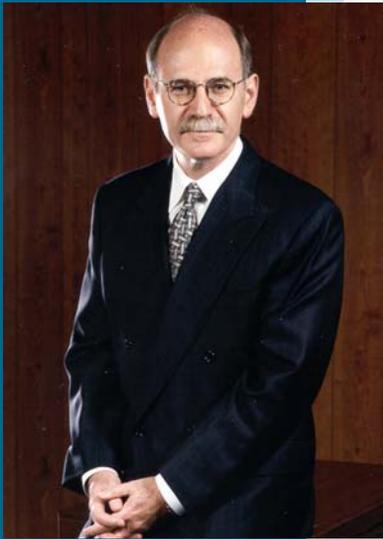
WRIGHT STATE UNIVERSITY SCHOOL OF MEDICINE

FALL 2002—VOLUME 26, NUMBER 2

VITAL SIGNS



DEAN'S MESSAGE



Dean Howard Part, M.D.

Our community-based, academic medical center is a complex organization with a challenging tripartite mission.

Yet, at the basic level, it's the people—faculty, staff, and students—who create the school, who embody it with compassion, knowledge, and skill. Every year they serve their communities in hundreds of ways. In this issue, we highlight some of the contributions of faculty and students in both overseas missions and in our own community. From research technology that places Wright State at the forefront of genetic analysis to training programs that address the mental health needs of our children, this issue focuses upon the people who make a difference.

Making a difference for tomorrow is the goal of the first capital campaign for Wright State University and the School of Medicine.

Throughout the school's history, support from individuals, groups, and organizations has enabled it to excel and to gain national recognition. We have identified key areas to advance the School of Medicine to the next level: student scholarships, faculty and program support, biomedical research, and the creation of a state-of-the-art medical education center.

Sincerely,

A handwritten signature in black ink that reads "Howard M. Part, M.D." The signature is written in a cursive, flowing style.

Howard M. Part, M.D.

Dean

*Front Cover:
Catherine (Rina)
Dabramo, Year II,
proudly holds a baby
she helped deliver in
Swaziland.*

*Back Cover:
Gwendolyn Greer (L)
and Madelyn Meyn,
Year II, ready for
clinical rotation in
Swaziland.*

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Out of Africa...and More

Trek for a Cause

When a high school friend called Kate Cauley, Ph.D., and asked if she would be interested in hiking 75 miles through a South African wilderness area to raise funds for HIV/AIDS research and educational programs, the answer was “of course.” She was undeterred by the amount she needed to pledge toward the cause—\$10,000—or the terrain and climate or even the lack of bathroom facilities for a week.

Dr. Cauley, associate professor of community health and professional psychology, is director of the Center for Healthy Communities. She is a member of the board of directors for the AIDS Foundation of the Miami Valley and has an extensive background in counseling HIV/AIDS patients and families.

This was Dr. Cauley’s third visit to South Africa. Her prior visits involved working with non-governmental organizations and expanding public health programs through public/private partnerships. Dr. Cauley explains, “Since the end of apartheid in 1994, the public health departments of the cities have had to expand into the surrounding townships. In one community, responsibility for the public health needs of 120,000 primarily white city dwellers now includes approximately 1.2 million African citizens. The system is struggling to cope with the increased needs, and many see partnerships and educational programs like service learning as ways to address some of them. We are working on an



Katherine (Kate) Cauley, Ph.D., a participant in the AIDSTrek in South Africa, with Timo, one of the guides from Namibia, Karare.

administrative structure to facilitate new partnerships between municipal government, civic organizations, and universities.”

Although many people have moved to urban areas, the majority of South Africans still live in townships and rural areas often governed through tribal leadership. Efforts are well under way to address basic public health concerns, including fresh water, electricity, underground sewage systems, and housing. However, primary health care services are minimally available and HIV/AIDS is a serious problem with infection rates ranging from 8 to 40 percent throughout South Africa’s eight provinces.

The AIDSTrek itself consisted of seven 12-hour days of hiking for the international group of around 130. Many of the participants were scientists or health professionals involved in AIDS-related work, and their average age was 40. They hiked through the Cederberg Wilderness Area, northwest of Cape Town. The

temperatures ranged from 34 to 98 degrees Fahrenheit, and the 16-mile daily hike was over some difficult terrain. A crew from Namibia, Karare, provided logistical support—food, water, and camping sites along the trail—and a team of guides, called Across the Divide from the United Kingdom, led the way through the mountains. Evenings consisted of educational programs on topics relating to HIV/AIDS, local land conservation, and animal preservation efforts.

The funds raised from the AIDSTrek will benefit the Emory Vaccine Research Center and the UCLA AIDS Institute. Dr. Cauley hopes that her adventure underscores her commitment to both South Africa and HIV/AIDS. “I brought back more than I took with me. While immersed in the South African culture, I began to better understand my own community. This was an enriching experience where I learned to think broadly and from different perspectives.”

—Judith Engle

“I brought back more than I took with me.”



Félix Sansó, M.D., (L) with one of his patients from his Havana consultorio.

Learning About the Cuban Approach to Health Care

“This is an incredibly important time for all of us to work on blurring national boundaries,” says Jeanne Lemkau, Ph.D., professor of family medicine and community health, who spent three months in Cuba while on professional development leave last spring.

“It was an opportunity to tie together my current interests in primary care, family medicine, and public health with my long-standing interest in Latin America, which started when I went to Nicaragua with the Peace Corps in 1970,” she says. She hopes to use what she’s learned to help medical students who want to gain a different perspective on medicine through international service.

During her stay, she interviewed physicians and other health care practitioners and visited neighborhood clinics, hospitals, and mental health and alternative medicine centers.

In Cuba, every person has a family doctor, usually in his or her neighborhood. Shadowing a family doctor through his work day was one of her most enlightening experiences, she recalls. Félix Sansó, M.D., and the nurse he partners with, run a

consultorio, or small neighborhood clinic, that serves about 200 families in a poor neighborhood of Havana.

Dr. Lemkau observed the doctor through a morning of seeing patients in his office and accompanied him on an afternoon of home visits. The Cuban physician or the nurse visits every family served by the *consultorio* at least once a year. Dr. Lemkau was struck by how much the problems Dr. Sansó’s patients present mirror those seen at her home clinic in Yellow Springs, Ohio, although his two-room clinic is far more Spartan.

“Cuba is a country where every person has access to a family doctor and where longevity and infant mortality, standard measures of public health, are equivalent to those in United States,” she says. “The Cuban government, by putting priority on prevention and primary health care, has accomplished this in spite of the hardship that has resulted from the long-standing U.S. embargo of food and medicine sales to Cuba.”

On her return to the United States, Dr. Lemkau sat in on hearings

by the Senate Committee on Foreign Relations on proposed legislation to soften the U.S./Cuba trade embargo. “The Cuban people are not the only ones hurt by the embargo,” she says, pointing to expert testimony on Cuban medical advances that cannot be shared with this country.

“These advances—all developed in Cuba—include advanced interferon technology that could aid in the discovery of new drugs, technologies for low-cost brain imaging, and pharmaceuticals like a drug derived from sugar cane that is widely used in Cuba to lower cholesterol and inhibit clotting.”



Jeanne Lemkau, Ph.D.

“Cuba is a country where every person has access to a family doctor.”

She also noted that Cuba’s highly trained medical personnel and extensive medical record-keeping system would make it an ideal site for conducting genetic studies and clinical trials.

“Many people in this country have trouble holding a nuanced view of Cuba. But, the Cuban system is neither all good nor all bad and we can learn a lot from their health care system with its emphasis on universal access and the role of the family doctor in the community. And people in both countries would gain by more exchange of information and lifting the trade embargo.”

—Robin Suits

Editor’s note: For more information on Dr. Lemkau’s experiences in Cuba, go to: <http://www.med.wright.edu/arch/lemkau/>.



Med Student "Fear Factor": A Month of Medicine and Incredible Sights in Africa

From the beginning of their African experience, students realized that practicing medicine in the Raleigh Fitkin Memorial Hospital in Swaziland was an immersion into another world. A world where caring hands, along with knowledge, supplies, and space, are in such short supply that first-year medical students would be welcomed alongside the nurses and doctors as they saw to patient needs in the hospital and village clinics.



Alex Caillat (Year II) and the mother of twin boys, named after Alex and Chris Meyer.

Nine students from the Class of 2005, all members of the student organization Global Health Initiative, along with Robert Turk, M.D., clinical professor of surgery, spent two weeks volunteering in Swaziland. Their trip was organized by Roger Pacholka, M.D. ('85), clinical assistant professor of emergency medicine, who has undertaken several African missions. Afterward, the students did some sightseeing and traveling in Africa.



(L–R) Kate Kreinbrink, Madelyn Meyn, Alex Caillat, Rina Dabramo, Chris Meyer, Hallie Huls, Melissa Schweikhart, Joseph Trunzo, and Lyn Greer.

Two students, Alex Caillat and Chris Meyer, while working in the maternity ward alongside nurses, had the gratifying experience of having newborn twin boys they delivered named after them. Alex says, "The women were incredibly strong. Due to lack of beds in labor and delivery they would not be admitted until just before the birth. They would have their babies with no drugs, and almost immediately after the birthing would get up and walk out."

"Someone told us that we would see medicine practiced in its purest form in Swaziland," says Rina Dabramo, "and they were right. In

the U.S. we rely on technology to confirm medical diagnosis. They do not have that luxury in Swaziland. Even the simplest tests, for example, PAP smears or cultures to diagnose STD's, were unavailable. The wonderful physicians there taught us about the extreme importance of histories and physical exams. They rely on themselves to catch something that might be confirmed with a test or a scan here in the U.S."

"Through this experience I observed and became familiar with many diseases that aren't common in the U.S.—diseases such as malaria and tuberculosis," adds Joseph

"The wonderful physicians there taught us about the extreme importance of histories and physical exams."



Trunzo. “It served to remind me of how fortunate we are here in the U.S. And, it extends my observation of the disparity in health care, to the prosperity we enjoy, to safety, and even to our education—all so easily taken for granted.”

Kate Kreinbrink observes, “By working in another country, even with my minimal clinical experience, I saw medicine in another capacity—through another culture. I learned about people with a different way of life, and how doctors in that culture cope with problems affecting their patients, hospital, and colleagues. Challenges they face daily included mass-casualty management, the growing HIV population, and a largely understaffed hospital. This was an invaluable experience, one that will make me a better physician, and I encourage other students to pursue opportunities such as this one.”

While traveling in Africa the students ate traditional African meals including salt-dried mapani worms in Zambia; visited a local medicine

woman, who had a root she said “cured cancer,” in Swaziland; traveled alongside lions, leopards, water buffalo, elephants, and giraffe in Kruger National Park; and even bungee-jumped off a bridge over the great Zambezi River.

Wright State University School of Medicine first-year students founded Global Health Initiative (GHI) in 2000. Its mission is to provide opportunities for experiential learning within the medical field, enhance awareness of global health care, and foster a sense of compassion, social justice, and empathy within future physicians. The organization’s goals are to provide international internships for medical students, to enhance global health education, and to promote universal health care access.

Each student prior to his or her trip prepares through research, literary readings, cultural education, and appropriate vaccinations. In addition, students must seek donations for medical supplies to take with them. 📧

—Nancy Harker

International Learning Experiences 2001–2002

Honduras (one month):

Jennifer Hoke
Joanne McKell
Loretta Riley

Honduras (two weeks):

Matthew Misja
Gregory Stewart

India/Nepal (six weeks):

Shomir Banerjee

Italy (one month):

Baljinder Bathla
Kreg Burnette
Stacey Hunt
Angela Kill

Swaziland (two weeks):

Alexandre Caillat
Catherine (Rina) Dabramo
Gwendolyn Greer
Hallie Huls
Katherine (Kate) Kreinbrink
Christopher Meyer
Madelyn Meyn
Melissa Schweikhart
Joseph Trunzo

Togo (one month):

Jaime Bedford



(L–R) Baljinder Bathla, Stacey Hunt, Giovanni E. Orecchia, M.D., Angela Kill, and Kreg Burnette at the *Clinico Dermatologica* at Pavia University during a fourth-year elective to Italy.

Preserving the Present, Envisioning the Future

Wright State University has launched a comprehensive \$40 million campaign, *Tomorrow Takes Flight*. As with all universities around the country, philanthropy is vital to Wright State's success. As part of this campaign, the School of Medicine has set its sights on key areas where resources will enable the school to progress as a leader in medical education: student scholarships, biomedical research, faculty and program support, and state-of-the-art facilities.

Tomorrow's Doctors

Attracting the Best and Brightest

Each year, close to 3,000 of the nation's most talented students apply for 90 openings at the School of Medicine. Academic and needs-based scholarships enhance Wright State's ability to attract students as they examine their options for medical education, and scholarships that reward academic excellence and support financial needs provide critical resources to our current student body.

"New scholarship funds serve as a valuable resource and help attract the best and brightest students to the School of Medicine," says Paul Carlson, Ph.D., associate dean for student affairs and admissions. "We attract quite a few nontraditional students with families, and approximately 20 percent of each incoming class is first generation college students. We continually seek to provide scholarships and low-interest loans to minimize student debt."

William A. Bernie, M.D., clinical associate professor of surgery, recognized the need to reward scholastic performance when he established a scholarship in honor of his parents almost a decade ago. Through the years, the fund has grown and the annual earnings and additional contributions have provided renewable awards to

the top academic achievers of the first-year class.

"I so enjoy meeting the students who receive this scholarship and to realize that I have played a role in somebody's education and future success," says Dr. Bernie. "In this process, I honor the memory of both my mother and father and the high ideals for which they stood. It is a great pleasure for me."

Both individuals and community organizations have invested in tomorrow's doctors. Since 1979, the Montgomery County Medical Society Alliance has supported student scholarships with annual gifts. And, the Academy of Medicine supports medical excellence by contributing to a circulating student loan fund.



Christopher Hager, Year IV, reviews his files with Dr. Gwen Sloas Browning, director of financial aid and associate director of student affairs.

Recent Scholarships

Jesse Ziegler, Ph.D., and his wife Harriet established an annuity through planned giving for a medical student who exemplifies humanitarian qualities.

Alan McGee, M.D. ('82), established the Dewitt and Henria McGee Endowed Scholarship in honor of his parents and to support underrepresented minority medical students.

Last year, Michael Pole, M.D. ('91), and his wife Susan (Nursing, '86) endowed the Pole Family Scholarship, which provides financial support to non-traditional medical students with families.

Malte and Pam von Matthiessen, M.D. ('98), endowed a scholarship program through a Charitable Remainder Annuity Trust.

Tomorrow's Cures

Assembling the Critical Mass

Over the last five years, the School of Medicine has created three research centers of excellence and advanced interdisciplinary and collaborative research. Generous assistance from the Kettering Fund over a period of three years enabled the school to enhance its research infrastructure, invest in technology, and establish an internal grant program that increased scientific understanding and led to national funding. Several research areas at the School of Medicine receive national and international recognition, including human growth and development, genetics, substance abuse, brain research, and hyperbaric and toxicology studies.

Support for the research mission leverages state and national funding and places the school in a research arena that advances scientific knowledge and clinical practice. While Wright State is a leader among the nation's community-based medical schools for the total amount of funded research, there is much more work to be done.

Faculty Support and Endowment

Closely related to research program support is faculty support and endowment. Endowed chairs provide stable and enduring funding resources for departmental activities. Endowed professorships enable the School of Medicine to aggressively recruit promising academics and

noted practitioners while supporting the talent already on campus. As a consequence, the school can maintain a competitive edge in an increasingly competitive academic environment and gain academic and institutional prestige that assists in both faculty and student recruitment.

Elizabeth Berry Gray, daughter of Loren M. Berry, founder of Dayton's The Berry Company, endowed the chair of surgery. Her gift will generate annual funds to advance the research mission of the department. "I have been interested in the health care of our community for years," says Mrs. Gray. "I believe that this gift will help prepare students to be better doctors and surgeons and will benefit the entire Miami Valley."

Oscar Boonshoft endowed the chair of the Division of Health Systems Management in the Department of Community Health in an effort to improve quality, efficiency, and access to health care for our community. "I personally felt that there was a necessity for modifying the present medical system and the



Thomas L. Brown, Ph.D., assistant professor of physiology and biophysics, investigates white blood cells and cell death, knowledge relevant to auto-immune diseases, cancer, and neuro-degenerative disorders.

way the various elements within the health care industry operate. We have problems getting medical attention to the entire population. The concept of the health systems management division seemed to provide an organization which could professionally evaluate the various activities, procedures, and documentation in the present medical system and would be in a position to present and disseminate the conclusions and recommendations to the appropriate officials within the medical system and Legislature as appropriate.

Recent Research Designated Gifts

William and Barbara Weprin and the Beerman Foundation established the Robert A. Goldenberg, M.D., Research and Education Fund, named in honor of the founding chair of the Department of Otolaryngology.

Mary Petticrew, a long-term supporter of school programs, invested in the research activities of the Department of Biochemistry and Molecular Biology.

Program Support and Partnering with Community

Visiting lecturers provide an important external stimulus to normal instructional activities, sharing new ideas and approaches with the community, faculty, and students. Endowed lectureships provide an opportunity to bring distinguished speakers and lecturers here.

New Lectureships

Zoe and Robert Hittner, M.D., endowed the Hittner Lectureship, in partnership with Shiloh Church, to promote community health.

Herbert C. and Marion Morris endowed a lectureship in the Department of Pharmacology and Toxicology in honor of his father, Dr. Earl H. Morris, and to support research.

To show her support for the Anatomical Gift Program, the Martha Maley Bell bequest established a lectureship in the Department of Anatomy.

Other gifts have helped programs reach their potential and enabled special projects to make a difference in our community. For example, corporate and foundation backing has been a cornerstone of the school's summer enrichment programs that provide research and learning opportunities to talented high school students.

Individuals also play a major role. Don Moon, whose son and daughter-in-law graduated from the school, helped develop cancer education materials in honor of his wife Donna through a gift to the Alliance for Research in Community Health. These types of gifts enable the school to serve the community in specific ways.

Recent Program Support

Physicians' Charitable Trust endowed a fund to support innovative community service programs for students.

The Levin Foundation supports the Consumer Advocacy Model program, which provides substance abuse assessment and treatment for women with physical or cognitive disabilities.

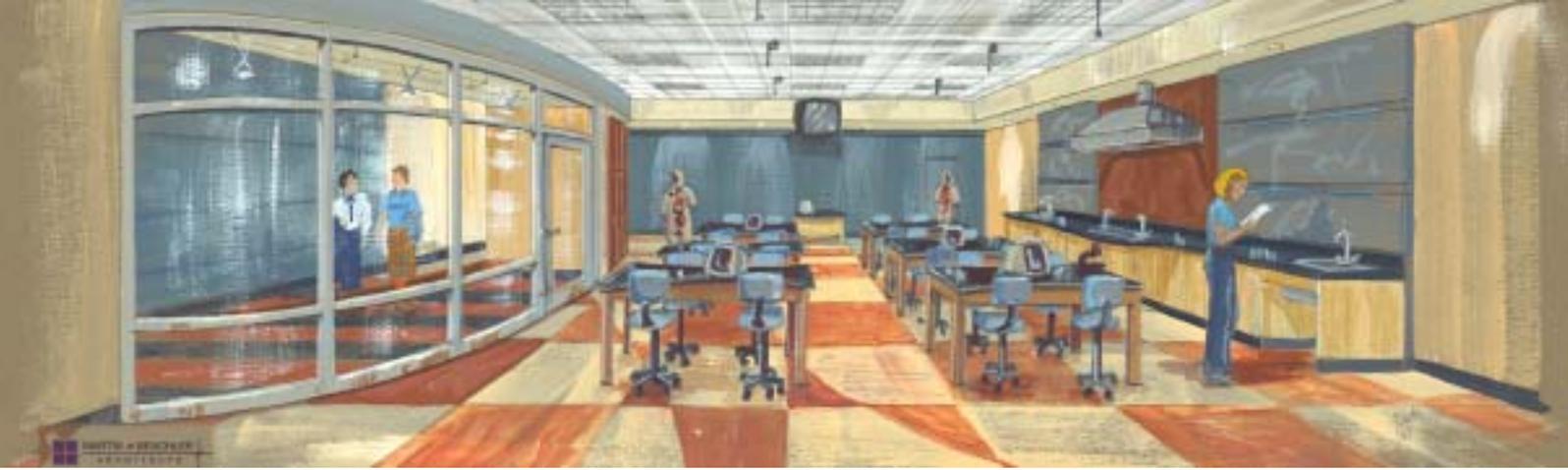
State-of-the-Art Medical Training

While scholarships and faculty and program support have a long history of corporate and individual philanthropy, the vision for Wright State University School of Medicine includes transforming the educational environment. The changes promise to be the most comprehensive since the construction of the Medical Sciences Building in 1977.

In this plan, the Frederick A. White Health Center, constructed in 1981, will become a state-of-the-art student center to meet the needs of medical education in the 21st century. Renovation of this 59,000-square-foot building will expand space currently designated for medical education, enhance learning and teaching environments, and update medical education technology.

"Renovation of the Frederick A. White Health Center is a top priority," says Howard Part, dean. "As we restructure our curriculum, our facilities must change too. We need space for small group interaction and simulated patients. Our students need areas designed for their particular learning needs and updated technology to better prepare them for practice. We are fortunate that this building can be adapted to meet those needs."





Students and prospective students will find easy access and a central location for financial aid, admissions and admissions interviews, academic support, classrooms, laboratories, clinical teaching areas, small-group study, and meetings at “the Fred.” Faculty, who teach in interdisciplinary teams in the new curriculum, will find flexible space and technology to enhance learning and teaching.

The current auditorium, which seats 100, will remain with updated audiovisual equipment and computer systems for group lectures and presentations. A new second auditorium of similar size will enable both first- and second-year students to meet as a group simultaneously on-campus. The second auditorium will incorporate a U-shaped design that allows students to literally surround a presenter. The design promises to be more interactive and enhance case presentations, discussions, and demonstrations.

The Simulated Patient Program will be housed at the Center in enhanced space. This program provides critical clinical skills training and testing for students and prepares them for their clerkship years and medical practice.

The technology for medical education must provide immediate access to information, interactive learning tools, online testing, and diagnostic tools, and be able to track skill and academic progress. The 24-hour multimedia computer and testing laboratory will double in capacity and incorporate the latest technological advances, including wireless hubs, high-speed Internet access, faculty-designed software, and secured servers for computer-based testing to meet these needs.

The Interdisciplinary Teaching Laboratory (IDTL) will undergo an update as well, with redesigned small stations where students work together and have easy access to equipment and specimens. Students

will have unobstructed views of the instructor’s station and each other to promote discussion and interactions. The space will remain flexible with electric cords in portable ceiling mounts and movable walls to accommodate different learning activities. Wet labs and advanced and basic life support training areas will be upgraded as well.

Community support has been a critical aspect of the school’s development from its inception to the present. Leadership gifts, such as those from philanthropist Virginia Kettering and others, leveraged additional funding support and helped the school achieve national prominence early in its development. Gifts from alumni, faculty, staff, and friends have provided an annual base of support for students and essential programs. Expanding that strong base of support from our communities will be critical for the vision of “Tomorrow’s Doctors, Tomorrow’s Cures” to become reality. 📺

—Robert Boley and
Judith Engle

(Above) The new Interdisciplinary Teaching Laboratory will upgrade the wet labs and advanced and basic life support training areas.

(Below) The most obvious change will be in the current two-story lobby of 6,270 square feet. It will be transformed into useable space for medical student informal study groups, meeting areas, a lounge, and a showcase for prospective students.



Gene Laboratory Ushers in New Research Paradigm

All diseases involve genetic variations, whether inherited or resulting from stressors like viruses or toxins. The traditional approach to identifying genes associated with a particular disease was to look for a promising candidate—an inherited gene involved in breast cancer, for example.

The problem with that approach is that most genetically mediated diseases involve changes in more than one gene, and the human genome is made up of 30,000 to 35,000 genes. But, with the success of the Human Genome Project (HGP), new technologies are being developed that make it possible for scientists to pinpoint a multitude of genetic variations that may cause or contribute to many diseases, including cancer.

by Affymetrix, called GeneChips®, to simultaneously monitor the expression of thousands of genes and identify those that show individual variations. Special software allows scientists to sift through and analyze vast amounts of data comparing their findings to information in public databases generated by the HGP.

new tools for diagnosing disease states.”

The only Miami Valley research facility with this technology, the GEL currently supports collaborative studies of gene expression in exposure to environmental toxins (funded by the Air Force), Gulf War Syndrome (funded by the Department of Defense), and cancer (funded by the National Cancer Institute). Dr. Berberich is assisted in the lab by Madhavi Kadakia, Ph.D., co-director; Tina Caserta, M.S., research associate; and Andrea Myers, B.S., research assistant.

Three collaborative projects now under way involve clinicians studying cancer of the ovary, brain, and colon.

Ovarian Cancer

Therapy for patients with ovarian and endometrial cancer has traditionally been guided by staging and the degree of residual disease following surgery. Using gene expression profiles from these tumors, a clinical collaboration with William Nahhas, M.D., professor and director of the

“Using gene arrays to determine global changes in gene expression represents a new research paradigm.”

Research scientists are using that technology at Wright State’s Gene Expression Laboratory (GEL) established in 2000 as a collaboration between the Air Force Research Laboratory at Wright-Patterson Air Force Base and the School of Medicine. New initiatives involve using the GEL’s facilities in both basic and clinical research, for example, with the Wallace-Kettering Neuroscience Institute.

The GEL uses DNA expression analysis microarrays manufactured

“Using gene arrays to determine global changes in gene expression represents a new research paradigm,” explains Steven Berberich, Ph.D., associate professor of biochemistry and molecular biology and GEL director. “No longer do scientists need to limit their investigations to genes previously shown to correlate with a given disease. DNA microarray technology provides a wealth of genetic data offering basic scientists new avenues of research exploration and clinicians

Gynecologic Oncology Center at Miami Valley Hospital, is aimed at improving treatment selection and patient outcome by identifying better prognostic indicators. The project focuses on determining the gene expression profiles of human ovarian and endometrial cancers and will attempt to use those profiles to identify gene expression patterns within tumor samples that may be predictive for tumor type, stage, metastatic potential, or treatment response.

Brain Cancer

Although surgery and radiation for patients with malignant cerebral gliomas can prolong survival for a few months, the long-term outlook is dismal. As part of a multi-center phase II clinical trial, researchers at the Wallace-Kettering Neuroscience Institute (WKNI) at Kettering Medical Center are evaluating a therapy that uses a glucose analogue (2-deoxyglucose) to make the tumors more sensitive, and the surrounding tissue less sensitive, to radiation. Although the therapy has shown promise, there is wide variation in tumor response.

GEL scientists are collaborating with WKNI researchers in a subproject to examine the molecular mechanisms underlying the differences in tumor sensitivity. They hope the gene profiling information they gather will be useful in future clinical trials investigating correlations between treatment-induced changes and clinical response in a large patient population. Establishing a significant correlation would lead to development of predictive assays for therapy response and individu-

alization of therapy for optimal benefit to the patients, according to Dr. Berberich.

Colon Cancer

The fact that U.S. residents are more than twice as likely to develop colon cancer as are residents of mainland China strongly suggests that environmental factors, especially diet, play a major role in its development. But, it is also clear from inconsistent findings in epidemiological studies that other factors must account for the wide variation within populations in the same environment.

The GEL is collaborating with Jianjun Zhang, Ph.D., M.D., a Hipple Cancer Research Center epidemiologist and an assistant professor in the Division of Cancer Prevention and Control, on an international collaborative case-control study of colon cancer to identify the role of diet and nutrient-gene interactions in the etiology of colon cancer in China, the United States, and Canada. "Our goal is to identify protective measures or factors against colon and other cancers in Asian diets that can be translated to diets in the United States and other western countries," Dr. Zhang says.

Dr. Berberich is enthusiastic about the collaboration between clinical and basic scientists in these research projects. "This is an opportunity for the GEL facility to develop clinically relevant data for potential biotechnology applications as well as an opportunity for the School of Medicine to become a regional leader in cancer diagnosis using DNA microarray applications." ■

—Robin Suits

Core DNA Microarray Grants

A seed grant initiative made possible by a grant from the Kettering Fund offers support to basic science faculty who want to incorporate gene expression profiling in new and ongoing research projects. The following investigators have been awarded support for 2002:

"Energy and Nutrient Sensing Through the Mammalian Target of Rapamycin and Their Effects on Transcriptional Patterning," Patrick Dennis, Ph.D., assistant professor of biochemistry and molecular biology

"Gene Expression in the Skin After Brief Treatment with Irritating Chemicals," James McDougal, Ph.D., professor of pharmacology and toxicology and director of toxicology research

"Gene Expression Studies of HIV-1-Infected Eosinophilic Cells," Dawn Wooley, Ph.D., associate professor of biochemistry and molecular biology.



Steven Berberich, Ph.D., at the Affymetrix Microarray, a system that can monitor the expression of thousands of genes simultaneously.



From Toddlers to Teens: Meeting Mental Health Needs of Our

CHILDREN

Child and adolescent psychiatrists are a rare breed, with only around 5,000 to care for the 7 to 12 million American youngsters currently in need of mental health care. Only 20 percent of that number will get treatment, and only 10 percent will receive treatment from a trained child and adolescent psychiatrist.

The need for trained psychiatrists, says William Klykylo, M.D., professor of psychiatry and associate professor of pediatrics, is one we must address. Dr. Klykylo directs Wright State's Division of Child and Adolescent Psychiatry and the two-year residency program in this field. The program normally follows three or four years of residency training in general psychiatry.

Technological advances have given child psychiatrists a new way of viewing mental illness. With brain imaging, they can document that "brain structure and function are altered with mental illness," says Dr. Klykylo. "More importantly, we know that abuse and neglect make lasting changes in a child's developing brain. With early treatment, we could prevent that damage from occurring. Therefore, the numbers of children and families going without treatment is lamentable."

While the knowledge base for mental health and illness has exploded, the resources have not. For starters, there are fewer hospitalizations. "There's a huge shortage of hospital beds in our community. The youth who are in the hospital are in because they're very acute,

perhaps suicidal. Children who used to be in hospitals are in residential treatment, and those who used to be in residential treatment are in foster care or jail, much to the travail of a lot of people."

The discipline of child psychiatry is becoming community based, taking needed services directly to children and their families. Established in 1997, Wright State's program emphasizes community connections and works collaboratively with the Alcohol, Drug Addiction, and Mental Health Services Board, Wright-Patterson Air Force Base, area hospitals, schools, and criminal justice systems. Dr. Klykylo explains, "We're going into the schools, and the other main location, I am sorry to say, the jails. We have now criminalized child mental health as

we have adult mental health. So we're working with the new Center for Adolescent Services, a facility for children adjudicated as delinquent by the Montgomery County Juvenile Court."

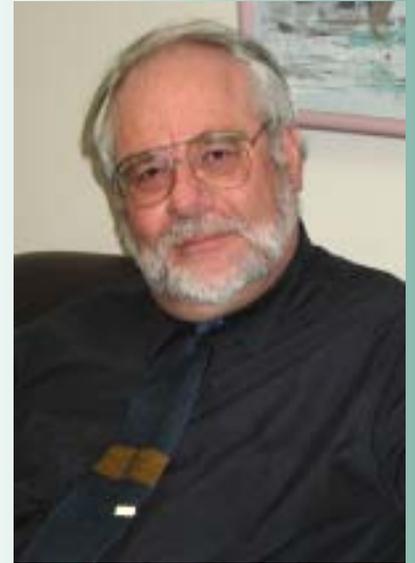
The community has been supportive, says Dr. Klykylo, "We have been very fortunate in the availability, cooperativeness, and affability of people in this community and the resources that they have provided." He serves as the consultant for day treatment programs at the St. Joseph Children's Residential Treatment Center, and residents under his direction consult on outpatient programs, foster care, adoptions, and family preservation. They work with pediatricians, social workers, family physicians, EMS services, local churches, hospitals, and the courts.

Both faculty and residents staff CrisisCare, the juvenile center of Good Samaritan Hospital and Health Center. There, a child will be seen and carefully evaluated by the child psychiatrist and other professionals to determine the level of care needed. A plan for the family and child is developed and immediate intervention, such as hospitalization, is available.

Dr. Klykylo emphasizes the traditional role of the psychiatrist in the training program. That means that the residents learn and practice psychotherapy, rather than relying exclusively upon pharmaceutical interventions. "We cannot medicate a child's fear of separation or abuse," says Dr. Klykylo. "We must recognize the barriers—abuse, neglect, drug addiction, even the lack of transportation. Medication will not work effectively outside of a physician-patient relationship." Residents need to understand effective clinical practice in commu-

nity settings, and they must demonstrate a strong knowledge base and communication skills.

Christina Weston, M.D., graduated from the training program in 1999 and is medical director of the Life Skills Support Center at Wright-Patterson Air Force Base. She believes that child psychiatry is an "extra challenge." "For example, children can't always tell you they are sad," she says. "You have to be a detective, consulting others and working with parents with problems of their own. Children often provoke the crisis that brings the family through the door." Detective work includes agency and school consultations.



William Klykylo, M.D., director of Wright State's Division of Child and Adolescent Psychiatry.

"In a given day, I deal with everything from neurobiology to politics to finance to community services, to psychotherapy."

The Child and Adolescent Psychiatry Residency Program has improved the community's resources for our children. Several of its graduates, like Dr. Weston, are staying in the area and helping our children and families reach their potential.

"This is by far the most intellectually stimulating thing I could have done," says Dr. Klykylo. "In a given day, I deal with everything from neurobiology to politics to finance to community services, to psychotherapy. And besides, I really enjoy kids and I want to see things better for them." 📧

—Judith Engle

Community Affiliated Institutions

The Children's Medical Center

Good Samaritan Hospital and Health Center

Kettering Medical Center

Montgomery County Board of Alcohol, Drug Addiction, and Mental Health Services

St. Joseph Children's Residential Treatment Center

Upper Valley Medical Center

Wright-Patterson Air Force Base Medical Center

When Numbers Count— A Faculty Profile

Ichuan Wang, Ph.D., professor of community health, loved science and mathematics in high school and fully expected to follow his father's footsteps into an engineering profession. All of that radically changed during China's Cultural Revolution. Instead of college, he was sent into the countryside and worked as a farmer and, later, as a factory worker. It wasn't until he was 30 that China's higher education system, closed for 10 years, again became functional. He was given a two-month period to study for the entrance exams, and he existed on four hours of sleep per night as he studied and worked full time. He was accepted, one of the mere 5 percent of applicants who were, and completed a degree in economics at Sichuan University.

Dr. Wang's theoretical economics background and his mathematical skill merged when he continued his education in the United States. He recognized that the social sciences needed better quantitative measurements, data management, and analysis. Their outcome measures are categorical types of questions, such as "agree/don't agree" and "yes/no/don't know," that are difficult to quantify. He noticed that some social scientists used statistical models and published articles without fully understanding the model they used. Many social scientists from China had difficulty understanding the presentations in international conferences, due to the lack of quantitative background.

Now, with both an M.A. and Ph.D. in sociology from Cornell University and post-graduate research at the Population Study Center of the University of Michigan, Dr. Wang has authored a book, in both English and Mandarin, on statistical models for categorical data analysis. The book was published last year by China's Higher Education Press in both mainland China and Taiwan.

"There are limitations and assumptions in statistical modeling that many overlook," he explains. "Therefore, people often put in

the data and let the computer program, whether it is SAS or SPSS, run the models without careful consideration of the adequacy of the models. This book explains and

provides examples to help scientists determine how data are managed and models are run." The book, useful for graduate students, researchers, and professors, meets "universal needs." The book helps demonstrate Western theories and scientific methodologies in China.

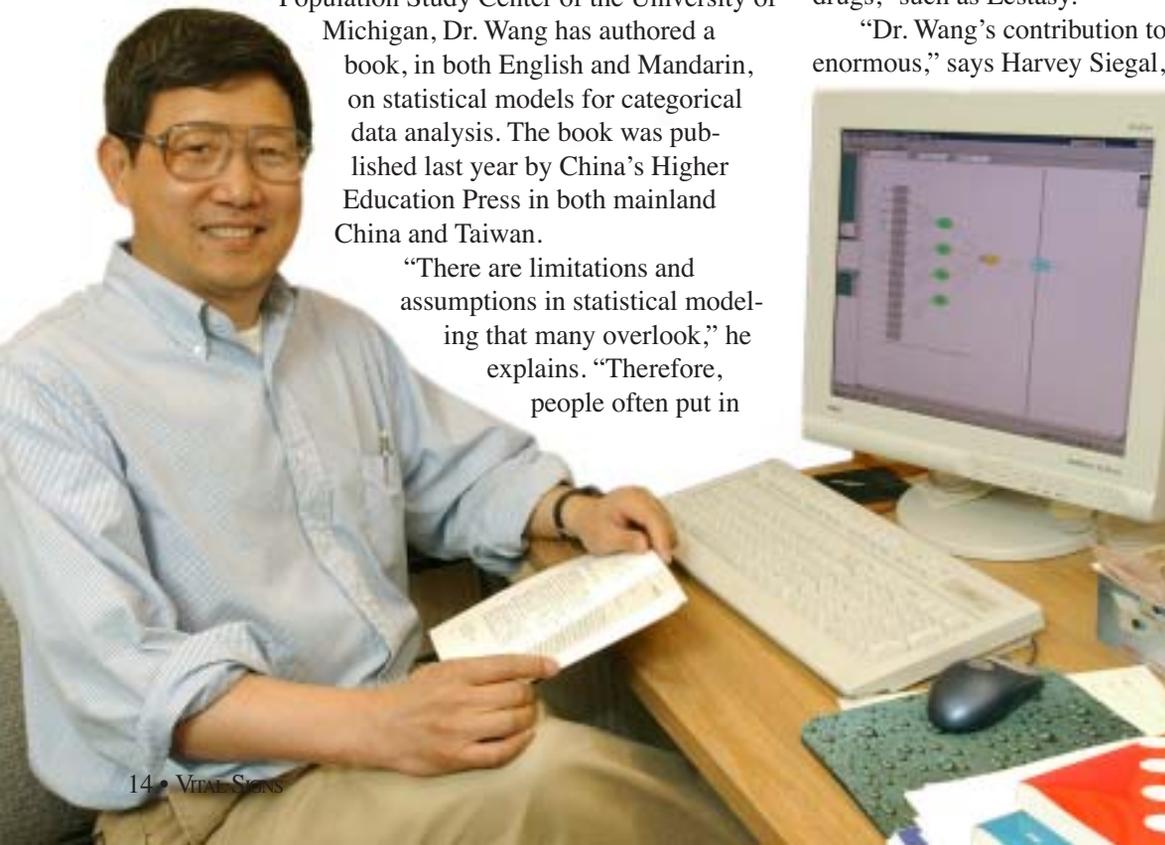
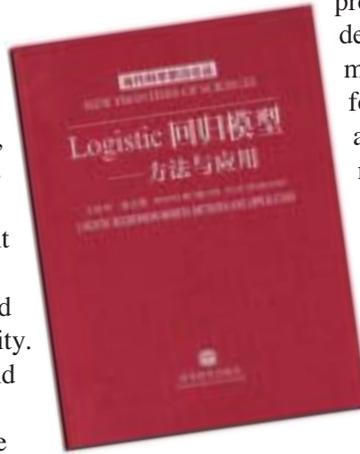
Dr. Wang's expertise in data management, evaluation, sampling design, and quantitative analysis methods has been a cornerstone for the efforts of the Center for Interventions,

Treatment and Addictions Research (CITAR) since 1991. He was the research director for the Dayton-Columbus AIDS Prevention Research Project, co-investigator for an HIV Sex Risk Assessment Technology Transfer project with Sandong Medical University in China, and principal investigator for a project on computational models. He has developed a computer program, DECOMP, for standardization and decomposition studies. The program has been included in the National Computer Program Library. He is currently co-investigator for three National Institute for Drug Abuse research projects, studying urban and rural crack cocaine use and "club drugs," such as Ecstasy.

"Dr. Wang's contribution to our center has been enormous," says Harvey Siegal, Ph.D., professor of

community health and of sociology and director of CITAR. "He has brought a level of statistical and methodological sophistication to our research that not only established our center as a national leader in the area of risk behavior prevention but has actually moved the entire field forward. His efforts have, unquestionably, made us very successful in an awesomely competitive research arena."

—Judith Engle



Bosnia Ten Years Later— A Student Profile

Amina Dilberovic, a third-year medical student, will soon be a third-generation physician who has resolutely pursued her goal of becoming a doctor through hardship, separation, and war.

Amina developed an interest in medicine at a young age through her father, a radiologist, who now teaches anatomy at the University of Sarajevo in Bosnia and Herzegovina; her grandfather, a family physician who made house calls all over Sarajevo; and her mother, a dentist. Amina explains that the Bosnian educational system was set up in educational tracks—students focus on targeted areas of study, eventually leading them to their career choice. Amina began early in a pharmacology track, but changed to practical medicine in high school.

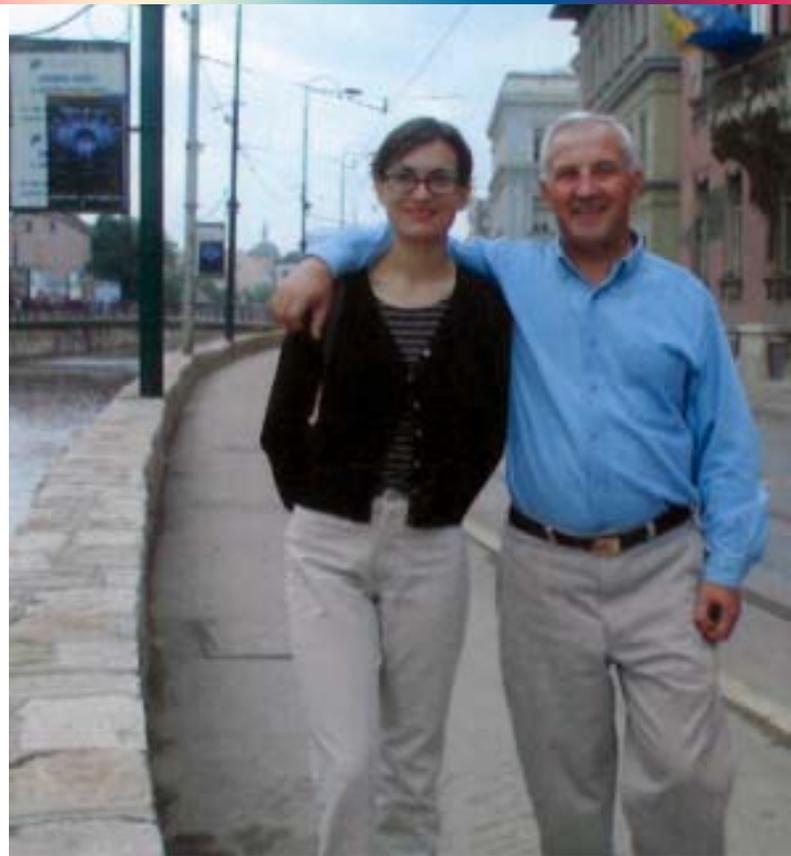
Amina clearly remembers when Serbian aggression against Bosnia started in 1992 and the day she first realized upheaval was imminent. “One of my good friends came up to me in high school, gave me a big hug and whispered that ‘horrible things are about to happen,’” recalls Amina. “My friend started to cry and urged me to leave the city. ‘People are going to get hurt!’ she told me.” Amina’s friend was a Serbian Christian, and Amina is Bosnian Muslim.

Aggression meant total isolation from the world outside Sarajevo. No newspaper or mail, no running water, sporadic electricity, closed stores, and constant noise from shelling and guns. At first, Amina spent her days hidden in the safety of her basement, talking with her sister and friend and hoping it would all end. Then, after witnessing violent death and destruction, she and her sister decided to “at least do something.” They began volunteering in the hospital trauma area, where they saw children and men and women of all ages injured or dying from indiscriminate violence.



(L) An interior view of the Vijecnica National Library in Sarajevo, destroyed and not yet rebuilt. (Photos by Elvira Dilberovic, 2001.)

(Above right) Amina with her father, Faruk Dilberovic, on a street in Sarajevo, 2001.



After months of terror and isolation, Amina, her older sister Adila, and their mother Elvira fled to Denmark, where they spent nearly three years in a refugee camp in Copenhagen. There, they were not allowed to hold jobs. Education was minimal and dependent upon volunteers, even for young school children. Meanwhile, her father Faruk stayed in Sarajevo to maintain his medical practice and their home. Through friendship and a Denmark-United States sponsorship program, both Amina and her sister came to the United States, and their mother returned to Bosnia.

“The time we have spent together here at Wright State I will cherish for the rest of my life.”

Now, 10 years later, Amina holds a B.S. in biology from The Ohio State University, where she also worked as a patient care technician at Riverside Hospital. She says, “Working there I learned a lot about the U.S. health care system and how things generally work in a hospital.” She holds a dual United States-Bosnian citizenship and hopes to return to her homeland after residency. Amina says, “I will be the best asset.”

“Medical school has been a challenging experience, but at the same time very rewarding,” reflects Amina. “The time we (as a class) have spent together here at Wright State I will cherish for the rest of my life.”

Amina, a classical pianist, appreciates all music—ranging from classical to alternative. Her interests include keeping up with world politics and events, reading, black and white photography, and all forms of art expression.

—Nancy Harker

CLASS NOTES

• 1982 •

John A. Dutro, M.D., has been named the chief of staff for Good Samaritan Hospital in Dayton for 2002–2003. He is co-director of the Intensive Care Unit and assistant director of the Trauma Program and Surgical Residency Program at the hospital. In addition, Dr. Dutro serves on the Board of Trustees for the Montgomery County Medical Society and as an associate clinical professor for the WSU School of Medicine. He and his wife Beverly have two children, Kristen and Matthew.

Carl M. Ferraro, M.D., practices emergency medicine at Mercy Hospital and Medical Center in Chicago. He and his wife Barbara have one child, Emily Ann.

Preston P. Richmond, M.D., is currently living in Winter Park, Florida. He and his wife Christine have two children, Susie and Derek, both 19 years old. Dr. Richmond practices with Central Florida Retina Consultants.

Nate Sherman III, M.D., lives in Dublin, Ohio, with his wife Porsha, who works in pharmaceutical sales. The couple has six children from oldest to youngest: Nick, Nate IV, Candace, Andrae, Rashad, and Austin, ranging in ages from 7 to 20 years old. Dr. Sherman practices with Premier Health Care Services specializing in emergency medicine.

Carl L. Whitt, M.D., practices general and vascular surgery with Lakeland Regional Health System in St. Joseph and Niles, Michigan, where he is director of the Peripheral Vascular Laboratory. In 1997, he was also ordained as a minister by Chair Lake Baptist District Association. He and his wife Diann have four children: Terennia, Leha Dee, Christian, and Erin.

• 1987 •

Naynesh R. Patel, M.D., practices family medicine in Centerville, Ohio. In addition, he has been the president and chairman of the Board of Trustees for the Hindu Temple of Dayton. He and his wife Gira have three children: Mira, Rajan, and Mehga.

Deborah J. Richardson, M.D., practices with the Miami University Student Health Service in Oxford, Ohio, where she has worked for 12 years. She and her husband Gary, a salesman, live in Hamilton, Ohio. The couple has three children: Lisa, Tyler, and Austin.

Michael J. Varney, M.D., practices internal medicine with Medac Health Services in Wilmington, North Carolina. He and his wife Nancy have a daughter named Sarah.

• 1988 •

Diane M. LeMay, M.D., has established practice with Licking Memorial Family Practice/Pediatrics in Licking County, Ohio. She is an associate professor of pediatrics for Ohio State University and serves on the Board of Licking/Knox Goodwill Industries, Inc., and on the Leukemia and Lymphoma Society of America Board.

• 1990 •

Ted F. Kadivar, M.D., P.A., is chief of surgery at Leesburg Regional Medical Center in Leesburg, Florida. He is married to Dr. Karen Stroh, who specializes in pulmonary and critical care. The couple had their first child on April 25, 2002—Hailey Michelle Kadivar at 7 lbs. 1 oz.

Margo P. Young, M.D., finished her residency at Kettering Medical Center and has been living in Guatemala since. There, she is a physician and nun in La Labor, where she works with the Sisters of the Precious Blood order to run a school and health clinic for the villages surrounding Guatemala City, the nation's capital. She recently was featured in the *Dayton Daily News* for helping to bring Juan Carlos Rosales, a rural villager, to Dayton's Grandview Hospital for reconstructive surgery on his hands.

• 1992 •

John T. Ducker, M.D., practices with Indiana Medical Associates in Fort Wayne, Indiana. He and his wife Johanna have two children: Michael, 7, and Kaitlyn, 4.

Lanying Brown, M.D., practices emergency medicine in Southfield, Michigan.

Daniel H. Brumfield, M.D., established Enon Family Healthcare in Enon, Ohio, after completing his family practice residency at St. Elizabeth Medical Center in Dayton. He is currently president of the Clark County Medical Society and part of the Family Practice Department at Children's Medical Center in Dayton. He has three children: Anissa, Monica, and Sean.

• 1995 •

Mandal B. Haas, M.D., practices family medicine in Carrollton, Ohio, and is a major with the U.S. Army Medical Corps with the Ohio Army National Guard. He was the featured speaker for the Memorial Day services held in Malvern, Ohio, sponsored by the American Legion.

Nhung S. Pham, M.D., has joined the staff at Grady Memorial Hospital and will practice at Sunbury Family Practice in Sunbury, Ohio. Dr. Pham has also provided internal medicine and pediatric care in New Mexico and southeastern Ohio.

• 1996 •

Kelly L. Moorhead, M.D., and her husband, Dr. Colin Moorhead, recently opened Northeastern Ohio Medical Specialists and Body Beautiful, a unique practice incorporating internal and aesthetic medicine. The practice is located in West Akron, Ohio.

• 1997 •

Mark E. Gebhart, M.D., is an assistant professor with the SOM's Department of Emergency Medicine and president of the Greater Miami Valley EMS Council. He is also a deputy fire chief for the City of Kettering. He and his wife Jodi have three children: Madison Joy, Jonathan Eric, and Jackson Michael.

Drs. Mark and Kristen Harding live in Salt Lake City, Utah. She practices at Magna Center for Family Medicine, and he practices at the University of Utah Division of Vascular Surgery. The couple has been married for five years.

A L U M N I

In September 2001, **Dominic W. McKinley, M.D.**, accepted a dual position with Urgent Medical and Family Care and Guilford Orthopedics in Greensboro, North Carolina. Dr. McKinley completed his residency in family medicine at Moses H. Cone Hospital in 2000 and completed a fellowship in primary sports medicine in 2001. He is married to Kelly Elizabeth Scott McKinley and has one daughter.

• 1997 •

Kevin C. Meyer, M.D., graduated from the Orlando Regional Medical Center Emergency Medicine program in 2000. He currently practices with Qualified Emergency Specialists, Inc., at Mercy Franciscan Hospitals in Cincinnati and is director of Harrison City Fire/EMS in Harrison, Ohio. He and his wife Shelly, a massage therapist, are expecting their first child.

Tracy K. Wick, M.D., practices pediatrics with St. Louis Children's Hospital. She is married to Michael Heffernan, M.D.

• 1998 •

Chad M. Blunt, M.D., has begun practicing family medicine at the Oak Harbor Medical Center in Oak Harbor, Ohio. He and his wife Gabrielle live in Oak Harbor where they are raising their two daughters: Bailey and Mikenzie. Dr. Blunt completed his residency at Good Samaritan Hospital here in Dayton.

• 1999 •

Tonya R. Williams, M.D., is currently living in Orlando, Florida, where she is a pediatric resident at the Arnold Palmer Hospital for Children & Women.

• 2000 •

Joel T. Wehrmeyer, M.D., is currently in his pediatric residency at St. Louis Children's Hospital.

Attention Medical Alumni!

Submit your class notes online at www.med.wright.edu/alumni/alumnotes.html.

Now Accepting Applications for the 2003 Outstanding Alumni Award

Each year, the Alumni Association honors alumni from each school or college who have distinguished themselves through professional accomplishments, community service, high standards of integrity, and the advancement of their alma mater. If you know of a medical alumnus who meets these criteria, please nominate him or her for the Outstanding Alumni Award by November 15, 2002.

To make a nomination, please send a statement addressing the following items about the nominee: Name, Class Year, Community and University Service, Professional Achievements and Organizations, Honors and Awards, Publications, and Education. Please send this and any other relevant information to:

*Office of Advancement
Wright State University School of Medicine
3640 Col. Glenn Hwy.
Dayton, OH 45435
FAX (937) 775-3254
E-mail: som_adv@wright.edu
Alternately, make your nomination online at:
www.med.wright.edu/alumni/outstanding.html*

Medical Alumni Directory Still Available

The Bernard C. Harris Publishing Co. still has a limited number of copies of the Medical Alumni Directory available. Released in May 2002, the *Wright State University School of Medicine Alumni Directory* is the definitive reference of over 1,800 of our alumni, sorted by name, class year, geographical location, and specialty. To place your order or for questions about an existing order, please call (800) 877-6554.



An Afternoon with the Dayton Dragons

On Sunday, August 11, School of Medicine alumni, staff, faculty, and students attended the Second Annual School of Medicine Day with the Dayton Dragons at Fifth Third Field.

Sponsored by the Medical Alumni Association, this event featured a pre-game picnic and a tour of the stadium. For the game, the School of Medicine reserved an entire section of the lawn area.

A special thanks to everyone who attended. We appreciate your continued support and are currently planning more outings for alumni and friends. If you have any suggestions or would like to help organize an outing in your area, please call the Office of Advancement, (937) 775-2972.

School of Medicine Night at the Newport Aquarium



The School of Medicine has reserved the entire aquarium for an evening of family fun and entertainment!

*Sat., April 5, 2003
7-11:00 p.m.
Newport, KY*

www.med.wright.edu/alumni/

Alumni Outing Cincinnati Bengals vs. Cleveland Browns

*Paul Brown Stadium
Cincinnati, OH*

*Sponsored by the
WSU Alumni Association*

*Sun., November 17, 2002
1:00 p.m.*

*\$60/member
\$65/non-members
Price includes:
Ticket*

*Bus transportation
Light refreshments
Parking*

*Pick up and drop off at
Nutter Center*

*Buses depart
Nutter Center at 10 a.m.
and return about
6:30 p.m.*

*Registration deadline:
Fri., November 1, 2002*

CLASS OF 2002



Stephanie Ackner
Psychiatry
WSU School of Medicine, Dayton

Rebecca Adams
Family Practice
Miami Valley Hospital, Dayton

Michael Ady
Emergency Medicine
Summa Health /NEOUCOM, Akron

Erin Alexinas-Mathews
Family Practice
Miami Valley Hospital, Dayton

Rannie Al-samkari
Surgery General
Michigan State University,
East Lansing

Ramon Alvarez-Leonardo
Anesthesiology
Loyola University Medical Center,
Maywood

Robert Barlow
Pediatrics
Medical College of Georgia, Augusta

Baljinder Bathla
PGY1-Transitional Year
Providence Hospital, Southfield, MI;
Physical Medicine & Rehabilitation
Schwab Rehabilitation Hospital,
Chicago

Sidney Bedell
Surgery General
Atlanta Medical Center, Atlanta

Jaime Bedford
Surgery General
Grand Rapids Medical Education/
Research Center, MI

Aishwarya Bhat
Pediatrics
Indiana University School of
Medicine, Indianapolis

Matthew Blanton
Surgery General
Indiana University School of
Medicine, Indianapolis

George Boston
Internal Medicine
Kettering Medical Center, Kettering

Matthew Bowes
Emergency Medicine
Saginaw Coop Hospital, Saginaw

Kreg Burnette
Pediatrics
WSU School of Medicine, Dayton

Tyler Campbell
Family Practice
Miami Valley Hospital, Dayton

Thomas Carroll
PGY1-Surgery General/
Otolaryngology
University of Colorado-Denver
School of Medicine, Denver

Francis Castellano
PGY1-Transitional Year/HR
Radiology/Diagnostic
Kettering Medical Center Kettering;
University of North Carolina
Hospital, Chapel Hill

Sarah Corathers
Internal Medicine/Pediatrics,
University Hospital, Cincinnati

Michael Cudnik
Emergency Medicine
Metrohealth Medical Center,
Cleveland

Viju Deenadayalu
Internal Medicine
Indiana University School of
Medicine, Indianapolis

Michael Duffey
Pediatrics
WSU School of Medicine, Dayton

Teddrick Dunson
PGY1-Transitional Year/
Anesthesiology
Howard University Hospital,
Washington, DC; Univ. of Medicine,
New Jersey Medical School, Newark

Laura Duran
Pediatrics
University of Maryland Medical
Center, Baltimore

John Fay
Family Practice
St. Mary Corwin Medical Center,
Pueblo

Jennifer Feldman
Pediatrics
WSU School of Medicine, Dayton

Derek Fletcher
Pediatrics
University Hospital, Cincinnati

Themelina Gaetano
Delayed Entering PGY1

Melvin Glover
Family Practice
Atlanta Medical Center, Atlanta

Kathleen Grady
HR Pediatrics
Rush Presbyterian-St. Luke's,
Chicago

Lalonda Graham
Family Practice
McLeod Regional Medical Center,
Florence

Andrea Harner
Family Practice
Fairview Hospital, Cleveland

André Harris
Obstetrics/Gynecology
WSU School of Medicine, Dayton

Steven Hegedus
Internal Medicine
Ohio State University Medical
Center, Columbus

Lizbeth (Hendricks) Bible
Family Practice
WSU School of Medicine, Dayton

Brooke Hohn
Family Practice
WSU School of Medicine, Dayton

Jennifer Hoke
Psychiatry
WSU School of Medicine, Dayton

Kevin Hopkins
Family Practice
Miami Valley Hospital, Dayton

Shawn Howerton
Family Practice
Riverside Methodist, Columbus

Stacey Hunt
Obstetrics/Gynecology
Good Samaritan, Cincinnati

Emese Kalnoki-Kis
Surgery General
Good Samaritan, Phoenix

Tammi James
Psychiatry
University of California-Davis
Medical Center, Sacramento

Angela Kill
Internal Medicine
Mount Carmel Health, Columbus

Denise Knisley-Kennedy
Family Practice
WSU School of Medicine, Dayton

Ryan Leahy
Pediatrics
Children's Memorial Hospital,
Chicago

Joseph Leibold
Emergency Medicine
WSU School of Medicine, Dayton

Alton Marcello
Surgery General
Henry Ford Health Sciences Center,
Detroit

Monica (McHenry) Svets
Obstetrics/Gynecology
Metrohealth Medical Center,
Cleveland

Joanne McKell
Internal Medicine
University of Illinois College of
Medicine, Chicago

Melissa Meister
Family Practice
Scott Air Force Base, Belleville, IL

Matthew Misja
Emergency Medicine
Allegheny General Hospital,
Pittsburgh

Scott Monnin
Internal Medicine
University of Kentucky Medical
Center, Lexington

William Novak
PGY1-Internal Medicine/Neurology
University of Pittsburgh, Pittsburgh

Bradley Otto
PGY1-Surgery General/
Otolaryngology, Mount Carmel
Health, Ohio State University,
Columbus

Wendy Owens
Family Practice
Provident St. Peter Hospital, Olympia

Barnell Phillips
Psychiatry
University of Maryland Medical
Center, Baltimore

Shay Price
Surgery General
Tulane University Health Sciences
Center, New Orleans

Paul Provance
Transitional Year
Kettering Medical Center, Kettering

Sonia Raj
PGY1-Internal Medicine/
Anesthesiology, Rush Presbyterian-
St. Lukes; University of Illinois
College of Medicine, Chicago

Celeste Reese
Family Practice
Carroway Methodist Medical Center,
Birmingham

Mark Renz
Anesthesiology
University of Louisville School of
Medicine, Louisville

Loretta Riley
Delayed Entering PGY1

Marilyn Roby
Pediatrics
Louisiana State University School of
Medicine, New Orleans

Melissa Roelle
Surgery General
WSU School of Medicine, Dayton

David Rogers
PGY1-Transitional Year
Ophthalmology
Indiana University School of
Medicine, Indianapolis

James Rosneck
Orthopaedic Surgery
Cleveland Clinic Foundation,
Cleveland

Marie Rueve
Psychiatry
WSU School of Medicine, Dayton

Anita Schelble
Obstetrics/Gynecology
St. Vincent Hospital, Indianapolis

Stacy Schmotzer
Family Practice
Fairview Hospital, Cleveland

Christopher Sears
Internal Medicine
Kettering Medical Center, Kettering

Joseph Sec
Internal Medicine
WSU School of Medicine, Dayton

Richard Seidt
Family Practice
Grant Medical Center, Columbus

Edward Senu-Oke
Internal Medicine
Eastern Virginia Medical School,
Norfolk

David Smith
Pediatrics
Ohio State University Children's
Hospital, Columbus

Wendy Soto
Internal Medicine/Pediatrics
WSU School of Medicine, Dayton

Leslie Spencer
Transitional Year
Mount Carmel Health, Columbus

Gregory Stewart
Pediatrics
Ohio State University Children's
Hospital, Columbus

Amy Straiko-Howerton
Family Practice
Riverside Methodist, Columbus

Carrie Strauss
Emergency Medicine
University Health Center, Pittsburgh

Kimberly Stuckey-Schrock
Family Practice
University Hospital, Cincinnati

Harry VanderWal
Internal Medicine/Pediatrics
WSU School of Medicine, Dayton

Jennifer Vargas
Family Practice
McNeal Hospital, Berwyn, IL

Peter Vonderau
PGY1-Transitional Year/HR Physical
Medicine & Rehabilitation Kettering
Medical Center, Kettering; Mayo
Graduate School of Medicine,
Rochester

Kimberly Wascak
Emergency Medicine
Orlando Regional Healthcare System,
Orlando

David Wilkinson
Urology
University of Kentucky Medical
Center, Lexington

Amy Wooton
Internal Medicine/Pediatrics
WSU School of Medicine, Dayton

Brent Ziegler
Surgery General
Mount Carmel Health, Columbus

OF PRIMARY INTEREST

New Faces

John B. Budinger, D.O.

Colonel USAF, WPAFB

Assistant Professor, Psychiatry

D.O.: Chicago College of

Osteopathic Medicine

Residency: Wilford Hall Medical Center (psychiatry)

Jacqueline Countryman, M.D.

Assistant Professor, Psychiatry

M.D.: Albany Medical College

Residency: Wright State University (psychiatry)

Fellowship: Wright State University (child/adolescent psychiatry)

Cheryl A. Cox, M.D.

Assistant Professor, Internal Medicine

M.D.: West Virginia University School of Medicine

Residency: West Virginia University School of Medicine (internal medicine)

Fellowship: University of Virginia, Charlottesville, VA (gastroenterology)



Craig E. Chalfie, M.D.



Instructor, Pediatrics
M.D.: University of Cincinnati College of Medicine

Residency: Wright State University (pediatrics)

Shalini G. Forbis, M.D.

Assistant Professor, Pediatrics

M.D.: Medical College of Ohio

Residency: Medical College of Ohio (pediatrics)

Fellowship: University of Rochester (general academic pediatrics)

The Academy of Medicine Celebrates 25 Years



Founders of the Academy of Medicine: (L-R) Richard DeWall, M.D., Sylvan Weinberg, M.D., John Beljan, M.D., Raymond Kahn, M.D., and Frank Shively, M.D.

For 25 years, the Academy of Medicine has been working to make a difference for medical students at Wright State University. On Wednesday, April 24, the Academy's membership attended the annual dinner to celebrate their achievements and recognize distinguished School of Medicine students, residents, and faculty.

To mark the silver anniversary of the Academy, all five founders attended this year's dinner. The founding dean of the School of Medicine, Dr. John Beljan, along with Drs. Richard DeWall, Raymond Kahn, Frank Shively, and Sylvan Weinberg, were given special recognition for their efforts.

The guest speaker for the event was Geraldine Ferraro, a former member of Congress and U.N. ambassador, a vice presidential nominee in 1984, and past co-host of CNN's *Crossfire*. Ms. Ferraro, who recently survived multiple myeloma, a bone-marrow cancer, offered the audience her unique insights and perspective into the importance of medical research.

The Academy supports medical excellence by contributing to student loans, recognizing outstanding examples of professionalism, and providing opportunities for fellowship in the medical community. The Academy has circulated a total of \$1.8 million dollars in student loans. Through loan repayment and Academy membership, nearly \$125,000 is being added to the pool annually. This year alone, 24 students received the Academy's low-interest loans and were saved the high costs of commercial loans.

For information on joining the Academy of Medicine, please contact the Office of Advancement or visit the Academy's Web site at www.med.wright.edu/aom/.

Family Medicine Recognized

The Department of Family Medicine received the Silver Award from the Society of Teachers of Family Medicine for the percentage of graduates who entered an accredited family practice residency program over three years ending October 2001.

Alpha Omega Alpha

The following individuals were elected into the national medical honor society, AΩA, for 2001–2002:

Students

Deepa Channaiah
Sarah Corathers
Kimberly Deringer
Jacob Jones
Ryan Leahy
Scott Monnin
Marlo Oyster
David Rogers
James Rosneck
David Smith
Carrie Strauss
Harry VanderWal
Peter Vonderau
David Wilkinson

Faculty

John Donnelly, M.D.
William Klykylo, M.D.

Residents

Aaron Buerk, M.D.
Steve Burdette, M.D.

Alumnus

Robert Brandt, M.D.
Terrence Schneiderman, M.D.

Community Partnership Tackles Substance Abuse in Youth

A Montgomery County coalition is one of 11 selected out of 280 national applicants to join an initiative of The Robert Wood Johnson Foundation called Reclaiming Futures, a five-year, \$21 million program. The five-year program will address substance abuse treatment and other services for young people in trouble with the law.

Dayton's project, called Mobilizing Natural Helpers, received a \$249,052 planning grant to redefine three major components of the juvenile justice system and substance abuse services: how youth are assessed when they enter the juvenile justice system; the potential value of increasing the use of "natural helpers," members of the youth's community, to assist in his or her rehabilitation; and an emphasis on restorative justice practices, combining the assets of youth and their involvement with natural helpers in court dispositions.

Reclaiming Futures officials say judicial leadership will play a critical part in these efforts. Local judges in each community will participate in a two-year fellowship. Michael B. Murphy, judge with the Juvenile Division of the Common Pleas Court of Montgomery County, will represent the coalition in the national program.

Local partners of the Montgomery County Natural Helpers Coalition include: Montgomery County Juvenile Court; the Montgomery County Alcohol, Drug Addiction, and Mental Health Services Board; the Center for Interventions, Treatment and Addictions Research, Wright State University School of Medicine; Good Samaritan Hospital's Samaritan CrisisCare; Eastway Corporation; Big Brothers/Big Sisters; Project Impact; Dayton Rotary; Shiloh Church; Mt. Calvary Church; and The Dayton Foundation.



Paul Plotsky, Ph.D., served as the Earl H. Morris Lecturer at the symposium, "Stress: Adaptation vs. Disease."

Morris Symposium

"Stress: Adaptation vs. Disease" was the topic of the Earl H. Morris Symposium held in May. This year's symposium was jointly presented by Wright State's Department of Pharmacology and Toxicology and the Department of Psychiatry at the University of Cincinnati College of Medicine.

Paul Plotsky, Ph.D., SmithKline Beecham Professor of Psychiatry and Behavioral Sciences and the director of the Stress Neurobiology Laboratory at Emory University in Atlanta, was the Earl H. Morris Invited Lecturer. Other symposium speakers were: Joseph DiMicco, Ph.D., Indiana University; Ronald Glaser, Ph.D., Ohio State University; James Herman, Ph.D., University of Cincinnati; Mariana Morris, Ph.D., Wright State University; and Randall Sakai, Ph.D., University of Cincinnati.

Topics covered included the neuroanatomical, neuroendocrine, cardiovascular, and psychosocial aspects of stress during adaptation and disease.

Awards for Excellence

Two School of Medicine staff members were recognized at the annual President's Awards for Excellence ceremony:

John Bale, M. Acc., Associate Dean for Fiscal Affairs—Excellence in Innovation

Charles Beckley II, Administrative Secretary, Pharmacology and Toxicology—Excellence in Human Relations

New Faces

Mark E. Gebhart, M.D., EMT-P

Assistant Professor,
Emergency Medicine
M.D.: Wright State
University School of
Medicine



Residency: Wright
State University School of Medicine
(emergency medicine)

Julie P. Gentile, M.D.



Assistant Professor,
Psychiatry
M.D.: Wright State
University School
of Medicine

Residency: Wright
State University School of Medicine
(psychiatry)

Teresa D. Hill, Ph.D.

Assistant Professor,
Community Health
Ph.D.: University of
Cincinnati College of
Medicine



(epidemiology)

Eileen F. Kasten, M.D.



Assistant Professor,
Pediatrics
M.D.: Indiana
University School of
Medicine

Residency: Indiana
University School of Medicine
(pediatrics)

Fellowship: The Ohio State
University Children's Hospital
(behavioral-developmental
pediatrics)

OF PRIMARY INTEREST

New Faces

Breck J. Lebegue, M.D., MPH

Assistant Professor, Psychiatry
M.D.: Indiana University School of
Medicine

Residency: University of Utah
(psychiatry), USAF School of
Aerospace Medicine (aerospace
medicine)

Fellowship: University of Southern
California School of Medicine
(psychiatry and law)

John S. McAlearney, Ph.D.

Assistant Professor,
Community Health

Ph.D.: Harvard
University (health
policy)



James N. McDougal, Ph.D.



Professor,
Pharmacology/
Toxicology

Ph.D.: University of
Arizona College of
Medicine

(pharmacology and toxicology)

Shannon C. Miller, M.D.

Assistant Professor, Psychiatry
M.D.: The Ohio State University
College of Medicine

Residency: Wright State University
School of Medicine (psychiatry)

Instrumentation Grants

The Department of Defense has granted two Wright State researchers a Defense University Research Instrumentation Program award.

The Office of Naval Research has awarded a \$243,500 equipment grant to Jay Dean, Ph.D., associate professor of physiology and biophysics. The grant will purchase fluorescence microscopy for *in vitro* studies of oxygen toxicity.

Nicholas V. Reo, Ph.D., associate professor of biochemistry and molecular biology, received \$478,485 to purchase a Nuclear Magnetic Resonance Spectrometer for the Wright State University MR Laboratory. NMR spectroscopy focuses on chemical analyses and will be used to study cellular biochemistry and tissue metabolism.

Faculty Notes

Marshall Kapp, J.D., was elected to serve as a member of the Board of Governors for the American College of Legal Medicine (ACLM). He was also reappointed as chair of ACLM's Ethics Committee and received a President's Award for Distinguished Service.

Barbara Schuster, M.D., was elected to a second term on the Board of Regents for the American College of Physicians-American Society of Internal Medicine.

Brigadier General Thomas

S. Bailey Jr., has been named commander of the Wright-Patterson Medical Center and associate dean for Air Force Affairs, replacing Brigadier

General Joseph E. Kelley, who has been reassigned to Bolling Air Force Base in Washington, D.C.



In Memoriam



James Blair Peoples, M.D.,

F.A.C.S.B., died after a short illness on July 19, 2002. Dr. Peoples was professor of surgery, the Elizabeth Berry Gray Chair of Wright State University School of Medicine's Department of Surgery, and director of the region's general surgery residency program. He joined the faculty of Wright State University School of Medicine in 1979. In 1988, Dr. Peoples served as acting chair of the Department of Surgery and was named chair of the department in 1990. Since 1988, he also served as director of one of the largest general surgery programs in the United States. The program trains seven physicians in each year of the five-year program and received a "perfect report card" from its accrediting body in 2001.

Hobart E. Klaaren, M.D.,

professor emeritus and founding chairman of orthopaedic surgery and of the Orthopaedic Residency Program based at Miami Valley Hospital.

Richard Serbin, M.D., professor emeritus of internal medicine who served as a voluntary faculty member since the School of Medicine was established and as program director for the Internal Medicine Residency Program at Good Samaritan Hospital.

OF PRIMARY INTEREST

Student News

Todd I. Smith, Year III, received a Leadership Award from the American Medical Association (AMA). The award is given each year to 25 outstanding medical students around the country who demonstrate strong non-clinical leadership skills in medicine or community affairs.



Jerald Kay, M.D., professor and chair of psychiatry, with **Jennifer Hoke**, recipient of the departmental Outstanding Senior Student Award.

Class of 2002 Graduation Notes

Vernellia R. Randall, B.S.N., M.S.N., J.D., professor of law at the University of Dayton, delivered the commencement address to the Class of 2002. The Dean's Award was granted to **David Lucas Smith**. The Dean's Award is given to a graduate who exemplifies the goals of the School of Medicine and who has made important contributions to the school. **William A. Bernie, M.D.**, clinical associate professor of surgery, received the Appreciation Award for his significant contribution and outstanding leadership to the school. The Humanism in Medicine Awards, sponsored by the Healthcare Foundation of New Jersey, were given to faculty member **Jerome Schulte, M.D.**, assistant professor of psychiatry and associate director for psychiatry education, and 2002 graduate **Jamie L. Bedford**. The Class of 2002 granted the Teaching Excellence Award to **John F. Donnelly, M.D.**, associate professor of family medicine and community health.



L-R, Richard Corlin, President of the AMA, Todd I. Smith, and Bruce Scott, President of the AMA Foundation.



Four former students just started their Chief Resident year in Internal Medicine: (L-R) Noah Jones, University Hospitals, Cleveland, Ohio; Nancy Schuster, University of Vermont, Burlington, Vermont; Michelle Kramer, Mercy Hospital, San Diego, California; and Paige Bates, University of Kentucky Medical Center, Lexington, Kentucky.

Rebecca Podurgiel and Barbara Stone, Year IV, received the national Elizabeth Karlin Early Achievement Award for the work they did in medical school pertaining to curriculum reform in the area of women's health.



New Faces

Selim Newaz, M.D.

Assistant Professor,
Internal Medicine
M.B.B.S.: University
of Chittagong,
Bangladesh



M.D.: Institute of
Post Grad Med & Research, Dhaka,
Bangladesh

Residency: Columbia University
College of Physicians & Surgeons

Frederick H. Royce, M.D.

Assistant Professor,
Pediatrics

M.D.: University of
Washington



Residency: Case
Western Reserve

University (pediatrics)

Fellowship: University of California
Cardiovascular Research Institute
(pediatrics)

**Raymond A. III Schwab, D.O.,
L.T.C.**

Assistant Professor,
Internal Medicine



D.O.: Kirksville
College of

Osteopathic Medicine

Residency: Wilford Hall USAF
Medical Center and Brooke Army
Medical Center (dermatology);
Delaware Valley Medical Center
(family practice)

The Class of 2006 arrived on campus August 4 for a Welcome Brunch, family orientation, Convocation, and the White Coat Ceremony.

CALENDAR

New Faces

Randy J. Woods, M.D.



Assistant Professor,
Surgery
M.D.: Indiana
University School of
Medicine

Residency: Wright

State University School of Medicine
(general surgery)

Fellowships: University of Pittsburgh
(critical care medicine/surgical
critical care); University of Pittsburgh
(trauma surgery)

Research Fellow: University of
Pittsburgh (suspended animation
studies)

Jianjun Zhang, M.D., Ph.D.



Assistant Professor,
Community Health
M.D.: Xi'an Medical
University

M.S. (Master of
Medicine): Xi'an

Medical University (orthopedics)

Ph.D.: Catholic University of
Leuven, Belgium (epidemiology)

Student Awards Ceremony

October 15, 2002, 5:00 p.m.
E156 WSU Student Union
For more information, contact:
(937) 775-2934

3rd Annual Health Systems Management Conference "Clinical Quality— A Workshop for Practical Skills Development"

November 13, 2002, 8:00 a.m.
David H. Ponitz Sinclair Center,
Sinclair Community College
For more information, contact:
(937) 258-5555

Center for Healthy Communities Annual Holiday Open House

December 11, 2002, 4:00 p.m.
Kettering Center
For more information, contact:
(937) 775-1125

SOM Faculty Meeting

January 16, 2003, 4:30 p.m.
035 Medical Sciences
For more information, contact:
(937) 775-3010

Annual Law/Medicine Symposium

"Do Drug Companies
Influence Medical Practice?
Legal and Ethical Issues"
January 29, 2003, 3:00 p.m.
Berry Room, WSU Erwin J.
Nutter Center
For more information, contact:
(937) 775-3392

"From Research to Practice: The Lessons of Flight" Joint Medicine and Nursing Symposium

February 14, 2003, 8:00 a.m.
WSU Student Union
For more information, contact:
(937) 775-2951

Match Day

March 20, 2003, 12 noon
Medical Sciences Auditorium
For more information, contact:
(937) 775-2934

26th Annual Academy of Medicine Distinguished Guest Lecture and Dinner Meeting

April 30, 2003, 7:00 p.m.
Schuster Performing Arts Ctr.
For more information, contact:
(937) 775-2972 or
som_adv@wright.edu

Skin Cancer Screening Week May 12–16, 2003

For more information, contact:
(937) 775-8814

SOM Faculty Meeting

May 15, 2003, 4:30 p.m.
035 Medical Sciences
For more information, contact:
(937) 775-3010

Graduation

June 6, 2003, 6:30 p.m.
For more information, contact:
(937) 775-2934

Center for Healthy Communities Annual Meeting

June 11, 2003, 10:30 a.m.
Kettering Center
For more information, contact:
(937) 775-1125



MediSing is an a cappella group made up of several students and faculty members. They auditioned and won the opportunity to open a Reds game with the National Anthem. The group with Reds pitcher Danny Graves: (L–R) Vanessa Madrigal (director); Heather Haynes; Mary Beth Rodes; Mike Krier; Dr. Timothy Drehmer, (faculty advisor); Micah Baird; Todd Smith, Erica Mailler; Amanda Holbrook; Becky Baird; and Judith Kennedy. Other group members not pictured: Shomir Banerjee, Marcia Braun, Kate Conway, and Dr. Mary White.

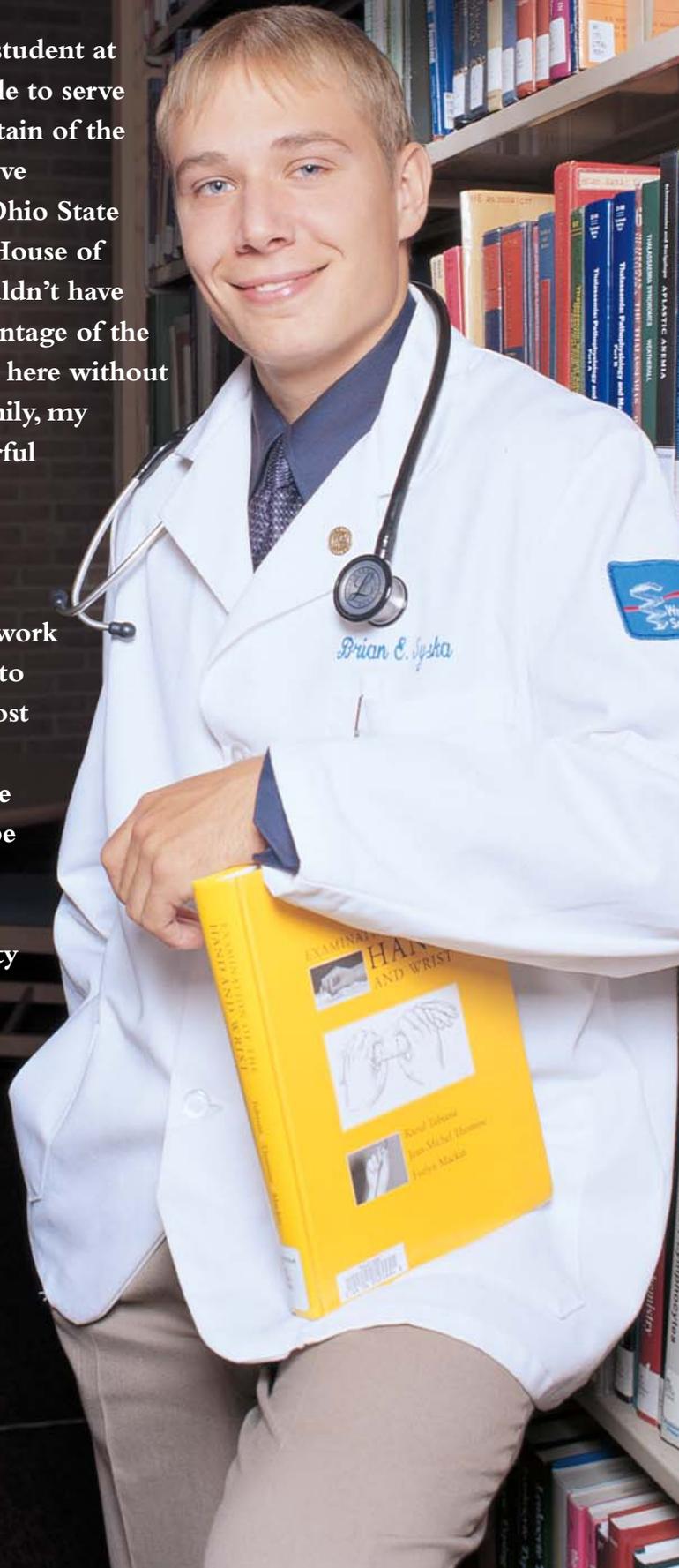
When it came time to choose a medical school, there was no question in my mind—Wright State was where I wanted to be.

As an undergraduate student at Wright State, I was able to serve as student trustee, captain of the soccer team, and receive resolutions from the Ohio State Senate and the Ohio House of Representatives. I wouldn't have been able to take advantage of the opportunities I've had here without the support of my family, my professors, the wonderful friends I've made, and alumni like you.

Knowing there's a network of friends committed to helping me get the most out of Wright State makes me want to give something back. I hope you feel the same way. Make a gift to the Wright State University School of Medicine Annual Alumni Fund this year and make dreams come true.

—*Brian Syska*

*2001 Woody Hayes
National Scholar Athlete
B.S. in Biological Sciences,
Class of 2000
WSU School of Medicine,
Class of 2004*



VITAL SIGNS

FALL 2002

Vital Signs is published twice a year for alumni, faculty, staff, and friends of Wright State University School of Medicine.

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