Anesthesiology and Pain Management • Biochemistry • Cardiovascular and Thoracic Surgery • Cell Biology • Clinical Sciences • Dermatology • Family and Community Medicine • Immunology • Internal Medicine • Microbiology • Molecular Biology • Molecular Genetics • Neurological Surgery • Neurology • Neuroscience • Obstetrics and Gynecology • Ophthalmology • Orthopaedic Surgery • Otolaryngology - Head and Neck Surgery • Pathology • Pediatrics • Pharmacology • Physical Medicine and Rehabilitation • Physiology • Plastic Surgery • Psychiatry • Radiation Oncology • Radiology • Surgery • Urology

The University of Texas Southwestern Medical School

CATALOG

2008-2011

2008-2011

SOUTHWESTERN MEDICAL SCHOOL

CATALOG FOR 2008–2011

UT SOUTHWESTERN

THE UNIVERSITY OF TEXAS
SOUTHWESTERN MEDICAL CENTER
AT DALLAS

5323 Harry Hines Blvd., Dallas, TX 75390
www.utsouthwestern.edu
July 2009

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It is the goal of UT Southwestern Medical Center that its campus be accessible to people with physical disabilities and free from unnecessary physical barriers. Individual requests for accommodations will be reviewed by the program to which the student applies and, if necessary, by the campuswide Rehabilitation Task Force, which may be contacted through the Office of the Registrar.

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ADMINISTRATION

v UT SYSTEM BOARD OF REGENTS

v UT SOUTHWESTERN MEDICAL CENTER
Administrative Officers

vii SOUTHWESTERN MEDICAL SCHOOL
Academic Administration

viii CAMPUS MAP

GENERAL INFORMATION

1 UT SOUTHWESTERN MEDICAL CENTER

2 UT SOUTHWESTERN MEDICAL SCHOOL
Medical Faculty
Accreditation

2 BUILDINGS
South Campus
North Campus
West Campus

5 FACILITIES AND SERVICES

8 HEALTH CARE INSTITUTIONS
Affiliated Health Care Institutions

9 SPECIAL PROGRAMS AND ENDOWMENTS
Endowed Centers
Laboratories

15 ENDOWED FACULTY POSITIONS
Distinguished Chairs
Chairs
Distinguished Professorships
Professorships

25 VISITING PROFESSORSHIPS AND LECTURESHIPS

26 ENDOWED AND OTHER FUNDS
Scholarship Funds

STUDENT INFORMATION

32 ADMISSION TO THE MEDICAL CURRICULUM
Application Procedure
Academic Prerequisites
Evaluation of Applicants
Medical College Admission Test
Essential Functions
Criminal Background Check
Residency Defined
Active Military Service
Required Immunizations
Bacterial Meningitis
Academic Colleges at UT Southwestern
Transfers From Other Medical Schools
Advanced Standing
International Applicants
Medical Insurance Requirements

37 TUITION AND FEES
Tuition
Designated Tuition
Tuition Installment Payments
Computer Usage and Technology Fees
Graduation Fee
Health Insurance
Incidental Fees
Laboratory Fee
Late Registration Fee
Malpractice Insurance Fee
Medical Services Fee
Returned Check Fee
Student Services Fee

38 OTHER EXPENSES
Books and Equipment
Campus Parking
Disability Insurance
Microscopes
Student Housing

39 REFUNDS
Return of Title IV Funds

40 STUDENT FINANCIAL AID
Types of Assistance
Scholarships, Fellowships and Special Funds
Loans
Tuition Exemptions
Payment of Fees for Students With Disabilities
Outside Work

44 ACADEMIC POLICIES
Appropriate Treatment of Students
Grades
Academic Counseling
Career Counseling
Grade Grievance Procedure
Incomplete Course Work
Course Withdrawal
Promotion, Probation and Dismissal
Appealing Academic Decisions
Policy Against Discrimination
Dismissal and Withdrawal
Leave of Absence
Student Conduct and Discipline
General Grievance Procedure

48 FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT
Directory Information
Access to File
Challenge to Record
Copies
Student Works
Complaints

50 ORGANIZATIONS
Student Organizations
Alpha Omega Alpha
The Alumni Association

51 THE HO DIN AWARD

51 MISCELLANEOUS INFORMATION
AIDS, HIV and Hepatitis B Virus Policy
Campus Security
Hazing
Inclement Weather Policy
Infectious and Environmental Hazards Policy
Institutional Completion or Graduation Rates
Intellectual Property Policy
Internet Guidelines
Smoking Restrictions
Solicitation Policy

Student Absences
Student Travel
Transportation
Use of University Name

MEDICAL CURRICULUM

56 DEGREE OF DOCTOR OF MEDICINE
Curriculum
Summer Opportunities
Medical Studies in Other Schools
Visiting Students

57 MEDICAL SCHOOL CALENDAR

57 FIRST-YEAR CURRICULUM
Academic Colleges at UT Southwestern
Biology of Cells and Tissues
Fundamentals of Immunology
Human Anatomy
Human Behavior and Psychopathology
Medical Biochemistry
Medical Embryology
Medical Genetics
Medical Neuroscience
Medical Physiology

59 SECOND-YEAR CURRICULUM
Clinical Medicine: Principles and Practices
Medical Microbiology
Medical Pharmacology
Pathology
USMLE Step 1

60 THIRD-YEAR CURRICULUM
Family Practice Clerkship
Internal Medicine and Internal Medicine Subspecialty Clerkship
Neurology Clerkship
Obstetrics and Gynecology Clerkship
Pediatrics Clerkship
Psychiatry Clerkship
Surgery Clerkship

62 FOURTH-YEAR CURRICULUM
Acute Care Clerkship
Ambulatory Care Clerkship
Subinternship
Electives
Advanced Cardiac Life Support

64 MEDICAL SCIENTIST TRAINING PROGRAM
Prerequisites
Medical Scientist Fellowships
Organization of the Program
Application Procedure

65 THE M.D./M.P.H. PROGRAM
Prerequisites
Application Procedure
Curriculum

66 THE M.D./M.B.A. PROGRAM
Curriculum
Application Procedure

66 CLINICAL AND RESEARCH FELLOWSHIPS

66 CONTINUING EDUCATION

67 DISTANCE LEARNING

FACULTY

69 ANESTHESIOLOGY AND PAIN MANAGEMENT

71 BIOCHEMISTRY

72 CARDIOVASCULAR AND THORACIC SURGERY
Pediatric Cardiothoracic Surgery

73 CELL BIOLOGY

73 CLINICAL SCIENCES

74 DERMATOLOGY

75 DEVELOPMENTAL BIOLOGY

75 FAMILY AND COMMUNITY MEDICINE

79 IMMUNOLOGY

79 INTERNAL MEDICINE

87 MICROBIOLOGY

87 MOLECULAR BIOLOGY

88 MOLECULAR GENETICS

88 NEUROLOGICAL SURGERY

89 NEUROLOGY

90 NEUROSCIENCE

90 OBSTETRICS AND GYNECOLOGY

93 OPHTHALMOLOGY

95 ORTHOPAEDIC SURGERY

97 OTOLARYNGOLOGY - HEAD AND NECK SURGERY

98 PATHOLOGY

100 PEDIATRICS

106 PHARMACOLOGY

106 PHYSICAL MEDICINE AND REHABILITATION

107 PHYSIOLOGY

108 PLASTIC SURGERY

109 PSYCHIATRY
Psychology

114 RADIATION ONCOLOGY

115 RADIOLOGY

117 SURGERY
Burn/Trauma/Critical Care
Emergency Medicine
GI/Endocrine Surgery
Oral and Maxillofacial Surgery
Pediatric Surgery
Surgical Oncology
Surgical Transplantation
Vascular Surgery
Clinical Faculty

121 UROLOGY

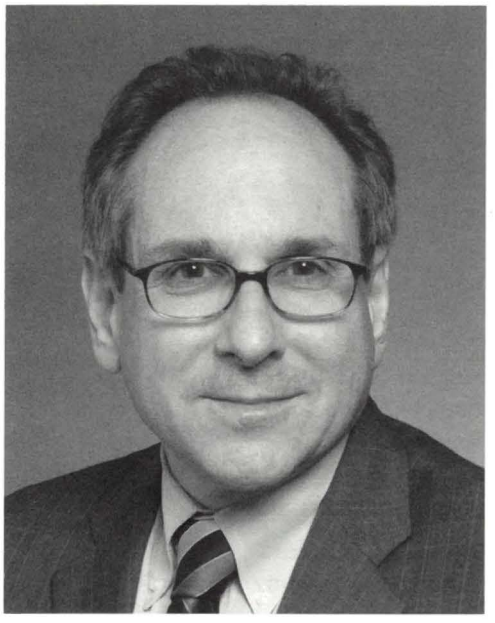
122 ADVANCED IMAGING RESEARCH CENTER

122 CANCER IMMUNOBIOLOGY CENTER

123 EUGENE MCDERMOTT CENTER FOR HUMAN GROWTH AND DEVELOPMENT

123 HAROLD C. SIMMONS COMPREHENSIVE CANCER CENTER

125 INDEX OF FULL-TIME FACULTY



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UT SOUTHWESTERN MEDICAL CENTER

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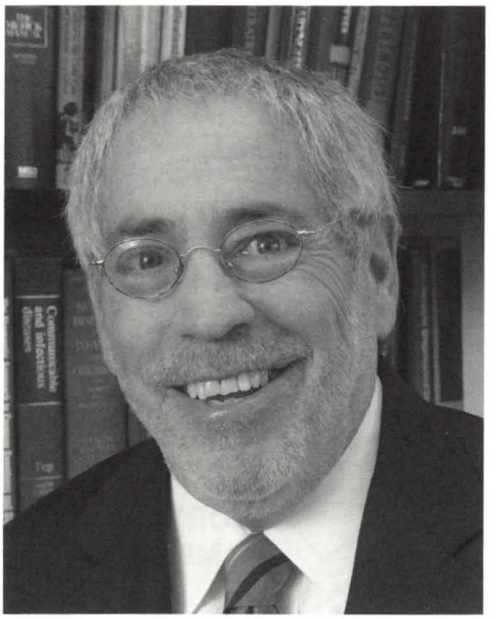

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Interim Dean, UT Southwestern Medical School

UT Southwestern Medical School

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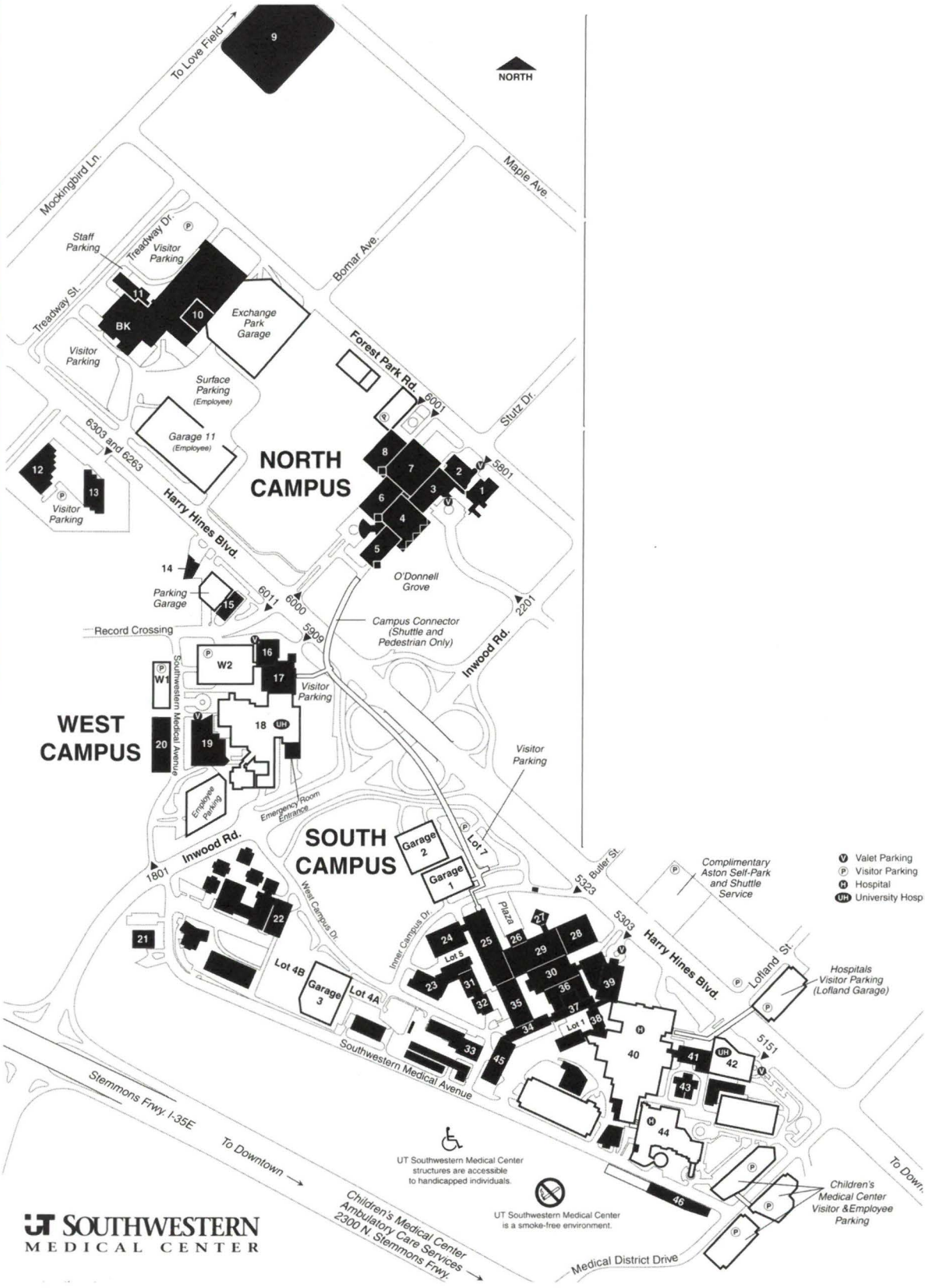
NORTH
To Love Field
Mockingbird Ln.
Maple Ave.
Bomar Ave.
Staff Parking
Treadway Dr.
Visitor Parking
Treadway St.
BK
Exchange Park Garage
Visitor Parking
Surface Parking (Employee)
Garage 11 (Employee)
6303 and 6263
Forest Park Rd.
6001
Slutz Dr.
5801
NORTH CAMPUS
Harry Hines Blvd.
Visitor Parking
Parking Garage
O'Donnell Grove
601
6000
5909
Campus Connector (Shuttle and Pedestrian Only)
2201
Record Crossing
Southwestern Medical Avenue
Inwood Rd.
Visitor Parking
WEST CAMPUS
Employee Parking
Emergency Room Entrance
Visitor Parking
SOUTH CAMPUS
Garage 2
Garage 1
Lot 7
1801
Inwood Rd.
West Campus Dr.
Inner Campus Dr.
Plaza
5323 Butler St.
Complimentary Aston Self-Park and Shuttle Service
Valet Parking
Visitor Parking
Hospital
University Hosp
5303
Harry Hines Blvd.
Lofland St.
Hospitals Visitor Parking (Lofland Garage)
Lot 4B
Garage 3
Lot 4A
Lot 5
Lot 1
Southwestern Medical Avenue
5151
Stemmons Frwy. I-35E
To Downtown
Children's Medical Center Ambulatory Care Services 2300 N. Stemmons Frwy.
UT Southwestern Medical Center structures are accessible to handicapped individuals.
UT Southwestern Medical Center is a smoke-free environment.
Children's Medical Center Visitor &Employee Parking
Medical District Drive
To Downt
UT SOUTHWESTERN MEDICAL CENTER

Campus Map

NORTH CAMPUS

Bill and Rita Clements Advanced Medical Imaging Building	1
Paul M. Bass Administrative and Clinical Center Bass Center Pavilion	10
Nancy B. and Jake L. Hamon Biomedical Research Building	5
W.A. Monty & Tex Moncrief Radiation Oncology Building	2
T. Boone Pickens Biomedical Research Building	8
(North Campus commons, university store)	7
C. Vincent Prothro Plaza and Gardens	4
Seay Biomedical Building	3
Simmons Biomedical Research Building	6
Southwestern Medical Park Apartments	9

WEST CAMPUS

Auxiliary Building	14
Clinical Building 1	13
Clinical Building 2	12
Outpatient Building	19
Professional Office Building 1	16
Professional Office Building 2	17
UT Southwestern University Hospital - St. Paul	18
UT Southwestern School of Health Professions Building	15

SOUTH CAMPUS

James W. Aston Ambulatory Care Building	39
Edward H. Cary Building	36
Children's Medical Center Dallas	44
Children's Medical Center, Bright Building	46
Dan Danciger Research Building	38
Fred F. Florence Bioinformation Center	30
Tom and Lula Gooch Auditorium (food court, store and postal substation below)	28
Cecil H. and Ida Green Biomedical Research Building	24
Cecil H. and Ida Green Science Building	25
Karl Hoblitzelle Clinical Science Building	37
Phillip R. Jonsson Basic Science Research Building	35
Laboratory Research and Support Building	45
Eugene McDermott Academic Administration Building	27
Eugene McDermott Plaza (lecture halls below)	29
Algur H. Meadows Diagnostic Imaging Center	43
Harry S. Moss Clinical Science Building	34
Parkland Memorial Hospital	40
Physical Plant	33
Police Station	32
Skillern Building	31
Charles Cameron Sprague Clinical Science Building	41
Transplant Services Building	21
UT Southwestern University Hospital - Zale Lipshy	42
UT Southwestern/UTD Callier Child Development Center	22
Visitor Information	26
Bryan Williams, M.D. Student Center	23

GENERAL INFORMATION

• anesthesiology and pain management • biochemistry • cardiovascular and thoracic surgery • cell biology • clinical sciences • dermatology • developmental biology • family and community medicine • immunology • internal medicine • microbiology • molecular biology • molecular genetics • neurological surgery • neurology • neuroscience • obstetrics and gynecology • ophthalmology • orthopaedic surgery • otolaryngology - head and neck surgery • pathology • pediatrics • pharmacology • physical medicine and rehabilitation • physiology • plastic surgery • psychiatry • radiation oncology • radiology • surgery • urology •

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AT DALLAS

UT Southwestern Medical Center

UT Southwestern Medical Center ranks among the top academic medical centers in the world. Its faculty members, who are responsible for a broad array of groundbreaking biomedical research advances, are respected for their dedication to teaching. UT Southwestern's physicians provide patients with the highest quality care throughout the medical center's outpatient clinics and affiliated hospitals.

Since its formation in 1943, UT Southwestern has grown from a small wartime medical college into a multifaceted academic institution nationally recognized for its excellence in educating physicians, biomedical scientists and health care personnel.

Under the leadership of the late Dr. Edward H. Cary and Karl Hoblitzelle, a group of prominent Dallasites organized Southwestern Medical Foundation in 1939 to promote medical education and research in Dallas and the region. When Baylor University elected to move its school of medicine from Dallas to Houston in 1943, the foundation formally established Southwestern Medical College as the 68th medical school in the United States.

When a new state medical school was proposed after World War II, leaders of Southwestern Medical Foundation offered the college's equipment, library and certain restricted funds to The University of Texas, provided the university would locate its new medical branch in Dallas. The Board of Regents accepted this offer from the foundation, and in 1949 the college became Southwestern Medical School of The University of Texas. In 1954 the name was changed to The University of Texas Southwestern Medical School. The present campus site on Harry Hines Boulevard was occupied in 1955 upon the completion of the Edward H. Cary Building. This placed the medical school next to the newly built Parkland Memorial Hospital.

In November 1972 the name and scope of the medical school were changed with its reorganization into The University of Texas Health Science Center at Dallas. In approving the concept of a health science center, the Board of Regents provided for the continued growth of coordinated but separate medical, graduate and undergraduate components, interacting creatively on the problems of human health and wellbeing.

In 1986 the Howard Hughes Medical Institute opened a research facility on the campus. Concentrating on molecular biology, it has brought outstanding scientists to head laboratories in their specialties. These investigators also hold faculty positions in the basic science departments of the medical school and graduate school.

In October 1987 the UT System Board of Regents approved changing the name of the health science center to The University of Texas Southwestern Medical Center at Dallas, reconfirming its original Southwestern identity. The medical center encompasses UT Southwestern Medical School, UT Southwestern Graduate School of Biomedical Sciences and UT Southwestern School of Health Professions.

UT Southwestern is located on Harry Hines Boulevard, a 10-minute drive northwest of downtown Dallas. Since the late 1960s the university has added more than 6 million square feet of new construction. The South Campus includes 20 buildings housing classrooms, laboratories, offices, an extensive medical library, an auditorium, a large outpatient center and UT Southwestern University Hospital, Zale Lipshy.

In 1987 the John D. and Catherine T. MacArthur Foundation gave the university 30 acres near the South Campus for future expansion. In 1999 the university purchased additional acres from the MacArthur Foundation. The 90-acre site, named the North Campus, has four research towers plus the Bill and Rita Clements Advanced Medical Imaging Building and the W.A. Monty & Tex Moncrief Radiation Oncology Building.

In January 2005, Zale Lipshy and St. Paul University Hospitals consolidated under the ownership of UT Southwestern Medical Center. Two teaching hospitals, Parkland Memorial Hospital and Children's Medical Center Dallas, also adjoin the South Campus.

The West Campus, located across Inwood Road from the South Campus and across Harry Hines Boulevard from the North Campus, includes the UT Southwestern School of Health Professions

Building; UT Southwestern University Hospital; and several outpatient facilities, including the seven-story Outpatient Building.

In 2008 the university acquired Exchange Park, a 24-acre office complex next to the North Campus. UT Southwestern now encompasses approximately 9 million square feet of laboratory, clinical, educational and administrative space and covers 387 acres.

UT Southwestern Medical School

Since 1974 UT Southwestern Medical School has enrolled approximately 200 freshman students each year. In addition to the 800 students in the four-year undergraduate medical curriculum, more than 1,000 clinical residents and postdoctoral fellows receive training at the school and its affiliated hospitals each year.

The educational programs are conducted in attractive modern buildings on the campus and in the clinical facilities of the affiliated hospitals.

The school is dedicated to the education of physicians who are thoroughly grounded in the scientific basis of modern medicine, who are inspired to maintain lifelong medical scholarship and who will care for patients in a responsible and compassionate manner. The faculty and staff are committed to serve society not only by educating future medical practitioners but also by contributing to future medical developments through research. The majority of graduates eventually practice medicine, and the general curriculum is oriented toward this goal. Many graduates will combine the practice of medicine with careers in teaching and research. For students who wish to pursue careers in research, opportunities are available either through summer research experience, year-round research experience or formal training leading to combined M.D. and Ph.D. degrees.

Medical Faculty

The excellence of any educational institution is determined by the caliber of its faculty. The faculty at UT Southwestern Medical School has many distinguished members, including four Nobel laureates, three of whom are active faculty members; 17 members of the National Academy of Sciences; 13 members of the American Academy of Arts and Sciences; and 17 members of the Institute of Medicine.

Faculty members of the medical school have reached positions of prominence in American and international medicine. Many of the more than 1,600 full-time faculty members have been elected to the presidencies of national or international professional societies, have chaired major national and international medical committees, have been members of study sections for the National Institutes of Health, or are editors or members of editorial boards of medical and scientific journals.

The number of UT Southwestern students placing at the top in national competitive examinations and earning residency positions in outstanding postgraduate programs demonstrates a high degree of teaching effectiveness.

Accreditation

The University of Texas Southwestern Medical Center at Dallas is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, GA 30033-4097; telephone number 404-679-4501) to award the bachelor's (B.A./B.S.), master's (M.A./ M.S./M.P.T./M.P.A.S.), doctoral (Ph.D./D.P.T.) and medical professional (M.D.) degrees.

The University of Texas Southwestern Medical School is fully accredited by the Liaison Committee on Medical Education of the Association of American Medical Colleges and the American Medical Association.

Buildings

South Campus

THE JAMES W. ASTON AMBULATORY CARE BUILDING is an outpatient facility where faculty members see patients referred by private physicians. This nine-floor clinical center provides residents, students and faculty with access to a broad spectrum of illness and patient needs. Laboratory and X-ray services are available in the building so that most services can be provided during a single patient visit.

THE EDWARD H. CARY BUILDING, the first permanent building of the medical school, is a five-level structure housing facilities of the departments of Anesthesiology and Pain Management, Dermatology, Internal Medicine, Neurology, and Pediatrics.

THE DAN DANCIGER RESEARCH BUILDING houses the Moss Heart Center and the clinical laboratories and research offices for the departments of Internal Medicine, Neurological Surgery, Obstetrics and Gynecology, Orthopaedic Surgery, Pathology, Pediatrics, Radiation Oncology, and Surgery.

THE FRED F. FLORENCE BIOINFORMATION CENTER houses Biomedical Art Services, the Division of Biostatistics, Continuing Education, the Alfred W. Harris Faculty-Alumni Center, the Library, the Medical Television Center, and News and Publications. Clinical Sciences, Internal Medicine, Ophthalmology, Pediatrics, Plastic Surgery, Radiology and Surgery have office and laboratory space in the seven-story building.

THE TOM AND LULA GOOCH AUDITORIUM seats 1,200 in an upper-level auditorium offering excellent acoustics and projection equipment. On the lower level it houses the Gallery Cafeteria with food court, additional dining-seminar rooms and the University Store.

THE CECIL H. AND IDA GREEN BIOMEDICAL RESEARCH BUILDING, a nine-story building, houses a number of specialized interdisciplinary research centers, including the Center for Human Nutrition and the Gifford Laboratories for Diabetes Research. It also contains offices and laboratories for Biochemistry and Internal Medicine.

THE CECIL H. AND IDA GREEN SCIENCE BUILDING is the largest building on the South Campus. The Green Science Building houses major research facilities for the departments of Biochemistry, Cell Biology, Internal Medicine and Molecular Genetics. A major portion of the building is devoted to individual multipurpose laboratories for use by students.

THE KARL HOBLITZELLE CLINICAL SCIENCE BUILDING, a nine-level building, contains principal offices and laboratories of major clinical departments, including Dermatology, Internal Medicine, Obstetrics and Gynecology, Orthopaedic Surgery, Otolaryngology - Head and Neck Surgery, Pathology, Pediatrics, Radiology, and Surgery.

THE PHILIP R. JONSSON BASIC SCIENCE RESEARCH BUILDING adjoins the Green Science Building. The five-level facility is an important research location of the departments of Biochemistry, Cell Biology, Internal Medicine and Pediatrics. This building also houses facilities for electron and light microscopy and the Office of Medical Education.

THE EUGENE MCDERMOTT ACADEMIC ADMINISTRATION BUILDING, a landmark 12-level structure, gives the South Campus a striking focal point and houses major administrative offices and departments. These include the offices of the president and vice presidents of the medical center and the deans of the medical and graduate schools. The campus cashier's office is located on the first floor.

THE EUGENE MCDERMOTT PLAZA is the architectural center of the South Campus, affording scenic outdoor access between buildings. Below the plaza are the medical center's principal teaching facilities, including four large lecture halls arranged in a circle around a central audiovisual core. A student lounge area faces a sunken garden with a pool and fountain, part of the Margaret and Erik Jonsson Gardens. Also on the lower level are Client Services, a student snack area and academic classrooms.

THE ALGUR H. MEADOWS DIAGNOSTIC IMAGING CENTER, a 1 1/2-story facility, serves patients at UT Southwestern Medical Center and Parkland Memorial Hospital. It houses three magnetic resonance imaging units for clinical diagnosis, as well as for medical education and research. The center's funding includes support from the Meadows Foundation of Dallas.

THE HARRY S. MOSS CLINICAL SCIENCE BUILDING provides office and laboratory space for major

clinical departments and principal research centers. Housed in its eight levels are facilities for Cell Biology, Internal Medicine, Neurology, Obstetrics and Gynecology, Pediatrics, and Urology.

THE SKILLERN BUILDING, a one-story building adjacent to the Bryan Williams, M.D. Student Center at the west end of the Eugene McDermott Plaza, houses the offices of the Registrar, Student Financial Aid, and Student and Alumni Affairs.

THE CHARLES CAMERON SPRAGUE CLINICAL SCIENCE BUILDING is interconnected with two hospitals on the South Campus: Parkland Memorial Hospital and UT Southwestern University Hospital - Zale Lipshy. The Sprague Building houses clinical faculty in the departments of Anesthesiology and Pain Management, Internal Medicine, Neurological Surgery, Neurology, Physical Medicine and Rehabilitation, Psychiatry, Radiology, and Surgery.

THE BRYAN WILLIAMS, M.D. STUDENT CENTER, named for a longtime faculty member and former associate dean for student affairs, includes a gymnasium, multipurpose rooms, indoor jogging track, racquetball courts, a conditioning room with weights and exercise equipment, and locker and shower facilities.

NORTH CAMPUS

THE PAUL M. BASS ADMINISTRATIVE AND CLINICAL CENTER is an office complex adjacent to the North Campus housing the Office of Human Resources and programs in Biomedical Communications, Clinical Psychology, Emergency Medicine Education and Psychiatry.

THE BILL AND RITA CLEMENTS ADVANCED MEDICAL IMAGING BUILDING encompasses the first structure on the North Campus and houses clinical and research facilities for Radiology, Psychiatry, the Mary Nell and Ralph B. Rogers Magnetic Resonance Center and the UT Southwestern Advanced Imaging Research Center.

THE NANCY B. AND JAKE L. HAMON BIOMEDICAL RESEARCH BUILDING adjoins the Simmons Biomedical Research Building and the Prothro Plaza. This eight-level building houses facilities for Basic Neuroscience, Immunology, Microbiology, Molecular Biology, the Hamon Center for Basic Research in Cancer, and the McDermott Center for Human Growth and Development.

THE W.A. MONTY AND TEX MONCRIEF RADIATION ONCOLOGY BUILDING, adjacent to the Seay Biomedical Building, offers state-of-the-art radiation therapy and research equipment. It also houses the Department of Radiation Oncology.

THE T. BOONE PICKENS BIOMEDICAL RESEARCH BUILDING, the largest building on the North Campus, houses offices and laboratories for Biochemistry, Developmental Biology, Neurology, Pharmacology, Physiology, the Green Center for Reproductive Biology Sciences, the Howard Hughes Medical Institute and the Simmons Comprehensive Cancer Center. The building also houses a food court, store and annex to the Library.

THE SEAY BIOMEDICAL BUILDING adjoins the Simmons Biomedical Research Building and the Prothro Plaza and houses clinical facilities for Internal Medicine, Psychiatry and Surgery. Also located in the eight-story building are Radiation Oncology research facilities, the Seay Center for Basic and Applied Research in Psychiatric Illness, the Simmons Comprehensive Cancer Center and the UT Southwestern Center for Breast Care.

THE SIMMONS BIOMEDICAL RESEARCH BUILDING, in honor of Reuben Leon and Fairess Clark Simmons, was the first research tower built on the North Campus. The 11-story building houses the Excellence in Education Foundation Auditorium, the Simmons Comprehensive Cancer Center administrative offices and research-grant support services. Major research facilities include Basic Neuroscience, Developmental Biology, the Nancy B. and Jake L. Hamon Center for Therapeutic Oncology Research, the Komen/UT Southwestern Breast Cancer Research Program, the Cancer Immunobiology Center, and the McDermott Center for Human Growth and Development.

WEST CAMPUS

CLINICAL BUILDING 1 and **CLINICAL BUILDING 2**, located on the west side of Harry Hines Boulevard

north of Record Crossing, house clinical facilities for Anesthesiology and Pain Management, Dermatology, Family and Community Medicine, Obstetrics and Gynecology, Oral and Maxillofacial Surgery, and Psychiatry.

THE OUTPATIENT BUILDING is located at 1801 Inwood Road, adjacent to UT Southwestern University Hospital. This seven-story building houses world-class facilities that incude a surgical center, radiology imaging services and overnight guest suites, in addition to clinics, physician offices and diagnostic services. Clinics and academic offices for Orthopaedic Surgery, Plastic Surgery, General Surgery and Internal Medicine are located in the Outpatient Building.

THE UT SOUTHWESTERN SCHOOL OF HEALTH PROFESSIONS BUILDING is located at 6011 Harry Hines Blvd., two blocks north of the South Campus and across Harry Hines Boulevard from the North Campus. The building houses programs in Clinical Nutrition, Medical Laboratory Sciences, Physician Assistant Studies, Physical Therapy and Prosthetics-Orthotics, as well as the offices of the dean and administration. Offices for the UT Health Science Center at Houston's School of Public Health, Dallas, M.P.H. program are also located in this building.

FACILITIES AND SERVICES

THE ANIMAL RESOURCES CENTER is responsible for the production, procurement, conditioning, maintenance and health status of experimental animals throughout the institution. In addition, the ARC provides experimental surgical facilities to support animal research programs.

Faculty and staff are available for consultation and guidance in the selection and use of animal models for research and teaching and for the sources of specific species and strains.

THE BIOINSTRUMENTATION RESOURCE CENTER provides engineering and technical staff to help design and fabricate mechanical and electronic instrumentation and equipment, develop laboratory automation and data-acquisition systems, and consult on the specification and application of laboratory instrumentation. This research-support service center also offers calibration, testing, maintenance and repair of laboratory equipment. Microcomputers and software programming for laboratory instrument control and engineering simulations can be obtained through the center.

THE DIVISION OF BIOSTATISTICS provides professional consulting and programming in statistical

analysis and database management on a fee basis and instruction in the use of statistical software for the faculty, staff and students at UT Southwestern and affiliated institutions. Assistance is available to investigators (one hour at no charge) preparing proposals for IRB or IACRAC review.

Statistical consultants provide expertise for design and analysis of simple and complex research studies. Database consultants work on a variety of projects, including determining the best data management approach for a project, selecting an appropriate computer platform, designing a database, creating custom programs for data entry, developing reporting procedures and retrieving information for subsequent statistical analysis.

Faculty offer short courses on statistical and computing topics. The division jointly maintains a PC classroom in conjunction with Information Resources and the Library.

Programmers are available to design Web sites to support research tasks, including Web-based data access, interactive Web forms and other programmable Web tasks. The division also offers campus site licenses for SPSS and SAS programs. Technical support is provided for some computer based statistical analysis programs, including SAS and SPSS.

The division is responsible for campus testing and evaluation services and also provides expertise in creating and reading scannable forms.

INFORMATION RESOURCES provides computing, voice, audiovisual and data-communication services to the UT Southwestern campus, including the hospital and clinics. The IR organization includes the following services: Administrative Computing manages data-center operations, a centralized operating-systems group and the development of all administrative computing systems. Client Services oversees the UT Southwestern Help Desk and systems training. The development, management and procurement of health care-related systems are managed by Clinical Information Services. Video production and teleconferencing are produced by IR's Medical Television Center. Network Services designs and manages an extensive data-communication network, including local-area/wide-area networks, connectivity to affiliated institutions, Internet and Internet2.

Information Resources works with UT Southwestern's information security officer to manage a comprehensive information security program as an integral component of all computing and communications activities. This program includes education, central access administration, disaster recovery and the formulation of information security policies and procedures.

INTERNATIONAL AFFAIRS helps acquire and maintain valid visa status for noncitizen scholars, students, teachers, researchers and other employees. Immigration law is complex and changeable. Care is required to bring a person here with the appropriate documents. International Affairs should be contacted as soon as possible to allow visa and other requirements to be handled with a minimum of anxiety. The Web site at www.utsouthwestern.edu/international provides additional information.

THE LIBRARY offers a wide range of traditional and digital information services to members of the campus community. With facilities on both the North and South campuses, the Library is open for study, research and exploration seven days, 110 hours per week. The Library's extensive Web site (www.utsouthwestern.edu/library) is available at any hour. Authorized users are eligible for accounts on the Library's information system, which features access to a variety of full-text databases and information, such as Harrison's Online and MD Consult. More than 50,000 full-text electronic journal subscriptions and 20,000 electronic books also are available.

Banks of computers offer convenient access to the Library's Web site, the Internet, online curriculum materials and productivity software. The Library's collection of biomedical and scientific journals, books, videotapes, audiotapes, CD-ROMs and academic reserve materials are carefully selected to encourage self-directed study. The Library is involved in both the medical and graduate school and some health professions curricula. Individual instruction and other classes also are available.

The Library participates in regional and national consortia and networks, which speed interlibrary loan service and promote resource sharing. TexShare cards enabling students to borrow materials from other colleges and some public libraries in Texas are available at the Library's information desk.

THE OFFICE OF MEDICAL EDUCATION provides academic support for the medical and health professions schools. OME professionals collaborate with faculty to design and develop curricula, courses and instructional materials; incorporate interactive learning techniques; and integrate technology into the curriculum via the Web Curriculum Group.

OME provides a comprehensive array of academic assistance services to students. These services include learning skills assessment and development, academic advice and counsel, supplemental peer tutoring, assistance with stress management, communication skills development and situational referrals.

OME also administers two summer diversity-retention initiatives: the Summer Enrichment Program, a seven-week prematriculation program for incoming medical students; and a six-week MED 1901 course, which features directed studies in selected basic sciences for at-risk first- and second-year students experiencing academic difficulty.

OME helps faculty develop teaching skills, conduct educational research to improve teaching and learning, and develop grants to fund educational innovations.

STUDENT HEALTH AND STUDENT MENTAL HEALTH SERVICES, located in the Aston Building, help maintain and promote good health among all students at UT Southwestern. Confidential care is available for students with medical or emotional problems.

Students may call Student Health Services at 214-645-8690. A health care provider is available full time by appointment. Students may call Student Mental Health Services confidentially at 214-645-8680 for an appointment with a psychiatrist. The staff will arrange for hospital or specialty care for a student when indicated.

After hours and during weekends and holidays, students may call 214-645-8690 to reach the physician on call in General Internal Medicine. If a student is experiencing a medical emergency, he or she should report to the Emergency Care Center at UT Southwestern University Hospital or any emergency room of choice and identify himself or herself as a student of this institution. For urgent mental health care after hours, call 214-645-8680 to reach the psychiatrist on call.

The cost of services provided by the staff of Student Health and Student Mental Health Services is covered by a portion of the student services fee and medical services fee. However, payment for hospital care, specialty care, emergency care, X-rays and laboratory services is the responsibility of the student. For this reason, the student is required to maintain health-insurance coverage.

Medical records of all students seen in Student Health Services are confidential and are subject to the Family Educational Rights and Privacy Act.

According to the UT System and the Texas Department of Health, students must be current on the required immunizations prior to matriculation. See Required Immunizations in the Student Information chapter for more information.

THE TRANSPLANT SERVICES CENTER is a clinical and academic service department that procures, processes, stores and distributes tissues, such as corneas, sclera, skin, tendon, fascia lata, bone, heart valves and vessels. These transplantable tissues are provided to physicians, hospitals or other procurement agencies upon request. Other tissue and tissue-procurement services, including autograft preservation, are available to physicians by individual arrangement.

Research and teaching tissues, as well as acquisition services, are available to the medical center faculty and to researchers outside the university on request. The Transplant Services Center strives to advance technology in cryopreservation and tissue delivery as well as clinical care through these cooperative efforts.

To meet the medical needs of the community, the Transplant Services Center provides donor information and public and professional educa-

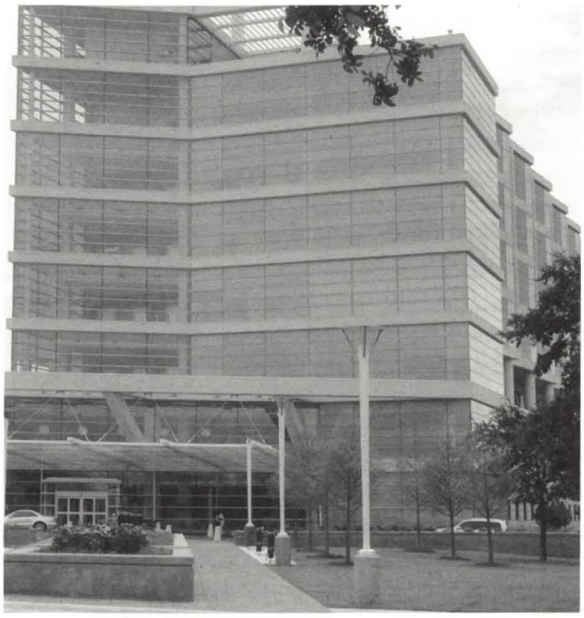
tion regarding organ and tissue donation. Transplant Services attempts to provide allografts for transplant in a manner appropriate to both the recipient's need and concerns of the donor's family.

BRYAN WILLIAMS, M.D. STUDENT CENTER provides a range of offerings from structured programs to informal activities, such as intramural sports and sport clubs, group fitness programs, special events and more than 80 student organizations. The award-winning state-of-the-art recreational facility is available for students, residents, faculty and staff. Membership for students is included in the student services fee. Admission requires a valid UT Southwestern ID card.

Health Care Institutions

The physician faculty at UT Southwestern offers patient care at a number of affiliated hospitals and clinics in Dallas and Fort Worth, including UT Southwestern University Hospitals.

UT Southwestern Medical Center has two hospital facilities. **UT SOUTHWESTERN UNIVERSITY HOSPITAL - ST. PAUL**, a 300-bed faciltiy located on the northwest quadrant of the Harry Hines Boulevard and Inwood Road intersection, offers cardiology, cardiothoracic surgery, heart and lung transplantation, obstetrics and gynecology, orthopaedic surgery, and vascular surgery. **UT SOUTHWESTERN UNIVERSITY HOSPITAL - ZALE LIPSHY**, a 144-bed facility on the South Campus, is adjacent to Parkland Memorial Hospital. Faculty physicians provide diagnostic neurological services and treatments, including stroke-patient care, as well as ophthalmology, oral surgery, psychiatry and other services. Outpatient services are offered in several clinical specialties throughout the campus.



Affiliated Health Care Institutions

PARKLAND MEMORIAL HOSPITAL, a component of Parkland Health & Hospital System operated by the Dallas County Hospital District, is the major teaching location of the medical center. This 968-bed hospital offers a variety of clinical services, ranging from outpatient clinics to an extremely active emergency service, providing an abundance of clinical situations for teaching purposes. Parkland is contiguous to the medical center's South Campus, providing for a free flow of students and staff between the two institutions.

CHILDREN'S MEDICAL CENTER DALLAS, a 411-bed facility, is one of the largest pediatric health care providers in the nation. With nearly 50 specialty clinics and programs, Children's is the primary pediatric teaching hospital for the university.

DALLAS VETERANS AFFAIRS MEDICAL CENTER, a part of the VA North Texas Health Care System, is another valuable health care facility affiliated with the medical center. It is a general hospital with 544 beds and a full range of clinical facilities used by the medical school's undergraduates and residents. These facilities include medical and surgical services in all major specialty areas. All training is under the direction of the Dean's Committee and is supervised by a large full-time staff augmented by consultants.

SOUTHWESTERN INSTITUTE OF FORENSIC SCIENCES is on the medical center's South Campus and serves as the base for teaching forensic medicine. It comprises the Dallas County Crimi-

nal Investigation Laboratory and the Office of the County Medical Examiner. It also interacts closely with the Transplant Services Center.

BAYLOR UNIVERSITY MEDICAL CENTER is a tertiary-care facility with 1,029 beds. Baylor has an active teaching program at the house-staff and medical-student levels and is supported by a number of full-time staff members who also are on the medical school's faculty.

METHODIST HOSPITALS OF DALLAS has two hospitals in the Dallas area. Methodist Dallas Medical Center, a 515-bed hospital, is the hub of the system, providing teaching connections with the medical center. Methodist Charlton Medical Center, which has 191 beds, offers a family medicine residency co-sponsored by the medical school's Department of Family and Community Medicine.

RICHARDSON REGIONAL MEDICAL CENTER, a community-owned hospital, and UT Southwestern Medical Center have formed an oncology affiliation. This partnership brings an advanced level of cancer care to the region by providing medical, surgical and radiation oncology services plus new therapies in drug research, genetic counseling, patient education and support services. UT Southwestern provides medical direction for the cancer center, and Richardson Regional provides the facilities and operating support.

JOHN PETER SMITH HOSPITAL in Fort Worth, with 459 beds, is a component of the JPS Health Network. It is the site of the largest of UT Southwestern Medical School's three-year residency training programs in family and community medicine.

TEXAS HEALTH PRESBYTERIAN HOSPITAL DALLAS, with 866 beds, is a teaching hospital of UT Southwestern. Several clinical services of Presbyterian Hospital are closely related to the corresponding departments of the medical school through residency programs affiliated with the school. Several full-time faculty members are based there.

TEXAS SCOTTISH RITE HOSPITAL FOR CHILDREN, a charitable institution operated by the Scottish Rite Bodies of Texas, has 100 beds and provides inpatient and outpatient care at no charge to children with orthopaedic or neurological challenges, as well as dyslexia and other learning disorders. UT Southwestern Medical School performs teaching and clinical services in several fields, including orthopaedics, neurology, pediatrics, prosthetics-orthotics, anesthesiology and radiology.

Other health facilities associated with the medical center include Carter BloodCare, HealthSouth Dallas Rehabilitation Institute, Terrell State Hospital, North Central Texas Medical Foundation in Wichita Falls, and McLennan County Medical Education and Research Foundation in Waco.

Special Programs and Endowments

Endowed Centers

THE WALTER M. AND HELEN D. BADER CENTER FOR RESEARCH ON ARTHRITIS AND AUTOIMMUNE DISEASES was established through a bequest from Mrs. Bader. The director is Dr. Edward K. Wakeland, chairman of immunology.

THE BARRETT FAMILY CENTER FOR PEDIATRIC ONCOLOGY, which seeks ways to prevent and cure childhood cancer, was established through a gift from Bill Barrett.

THE EFFIE MARIE CAIN ALZHEIMER'S RESEARCH CENTER and a distinguished chair were established through a gift from the Cain Foundation to support the work of UT Southwestern researchers in Alzheimer's disease.

THE CAIN/DENIUS COMPREHENSIVE CENTER IN MOBILITY RESEARCH was established by the Cain Foundation to support research into various causes of mobility impairment, such as spinal-cord injury, neuromuscular diseases and aging.

THE CHILDREN'S CANCER FUND COMPREHENSIVE CENTER FOR PEDIATRIC ONCOLOGY RESEARCH was established with gifts from the Children's Cancer Fund and others. The center has three components – clinical research, translational laboratory research and basic research.

THE JAMES M. COLLINS CENTER FOR BIOMEDICAL RESEARCH was established through gifts from the

James M. Collins Foundation, the Carr P. Collins Foundation and Southwestern Medical Foundation. Research in the center focuses on pulmonary disease. The center's director is Dr. Jonathan C. Weissler, professor of internal medicine.

THE CRYSTAL CHARITY BALL CENTER FOR PEDIATRIC BRAIN AND NEUROLOGIC DISEASES was funded with proceeds from the 1995 Crystal Charity Ball. The center is dedicated to improved therapy and prevention of neurological disorders in children.

THE CRYSTAL CHARITY BALL CENTER FOR RESEARCH IN PEDIATRIC CRITICAL CARE was established with funds from the 1997 Crystal Charity Ball. The center focuses on developing new treatments for life-threatening infections, pulmonary hypertension and respiratory distress syndrome.

THE CRYSTAL CHARITY BALL COLLABORATIVE PROGRAM FOR PEDIATRIC BRAIN INJURIES was funded with proceeds from the 2001 Crystal Charity Ball. The program is a joint effort between UT Southwestern and UT Dallas Callier Center for Communication Disorders.

THE HOUSTON J. AND FLORENCE A. DOSWELL CENTER FOR THE DEVELOPMENT OF NEW APPROACHES FOR THE TREATMENT OF HYPERTENSION was established through a bequest from Mrs. Doswell. The center focuses on new ways to treat this disease that affects more than 75 million Americans.

THE GILL CENTER FOR RESEARCH ON BRAIN CELL COMMUNICATION was established with a gift from the Pauline Allen Gill Foundation through Southwestern Medical Foundation to study how brain cells communicate.

THE CECIL H. AND IDA GREEN CENTER FOR REPRODUCTIVE BIOLOGY SCIENCES, established through a gift from Mr. and Mrs. Green, supports basic, applied and clinical research into reproductive biology.

THE CECIL H. AND IDA GREEN COMPREHENSIVE CENTER FOR MOLECULAR, COMPUTATIONAL AND SYSTEMS BIOLOGY was established through a gift from the Cecil H. and Ida Green Foundation.

THE BEATRICE MENNE HAGGERTY CENTER FOR RESEARCH ON BRAIN INJURY AND REPAIR IN STROKES, established with a gift from the Patrick and Beatrice Haggerty Foundation, provides support for research on the complex reasons behind neuronal cell death.

THE NANCY B. AND JAKE L. HAMON CENTER FOR BASIC RESEARCH IN CANCER was established by Mrs. Hamon through Southwestern Medical Foundation. It is directed by Dr. Eric N. Olson, chairman of molecular biology.

THE NANCY B. AND JAKE L. HAMON CENTER FOR THERAPEUTIC ONCOLOGY RESEARCH was established by Mrs. Hamon through Southwestern Medical Foundation. This center is directed by Dr. John D. Minna, professor of internal medicine and pharmacology.

THE DOROTHY L. AND JOHN P. HARBIN CENTER FOR ALZHEIMER'S DISEASE RESEARCH was created through a gift from Mr. Harbin. The center conducts studies aimed at understanding the underlying causes of dementia and discovering means to reverse or prevent the derangements that produce the disease.

THE ROBERT T. HAYES CENTER FOR MINERAL METABOLISM RESEARCH was established through a gift from Mr. Hayes. The center conducts research to develop better treatments and preventive therapies for osteoporosis and kidney stones.

THE HOFFMAN FAMILY CENTER IN GENETICS AND EPIDEMIOLOGY was established with a gift from Adelyn Hoffman through Southwestern Medical Foundation to support UT Southwestern's efforts in these two fields.

THE HOWARD HUGHES MEDICAL INSTITUTE at UT Southwestern is devoted to research in cell biology and regulation, genetics, immunology, neuroscience, and structural biology.

THE ERIK JONSSON CENTER FOR RESEARCH IN MOLECULAR GENETICS AND HUMAN DISEASE was created with funds from the Excellence in Education Foundation. Director of the center is Dr.

Michael S. Brown, professor of internal medicine and molecular genetics and winner of the 1985 Nobel Prize in physiology or medicine.

THE KIMBERLY-CLARK CENTER FOR PHYSICAL MEDICINE AND REHABILITATION RESEARCH, established through a gift from the Kimberly-Clark Foundation, studies injuries and illnesses that impair mobility. Dr. Karen J. Kowalske, chairwoman of physical medicine and rehabilitation, directs the center.

THE KOMEN/UT SOUTHWESTERN BREAST CANCER RESEARCH PROGRAM, established with a gift from Susan G. Komen for the Cure, plus gifts from Mr. and Mrs. Harold C. Simmons, Nancy B. Hamon and others, is a specialized center affiliated with the Harold C. Simmons Comprehensive Cancer Center.

THE LOWE FOUNDATION CENTER FOR WOMEN'S PREVENTATIVE HEALTH CARE was established by a gift from the Houston-based foundation chaired by Mary Ralph Lowe. The center is directed by Dr. Karen D. Bradshaw, professor of obstetrics and gynecology.

THE EUGENE MCDERMOTT CENTER FOR HUMAN GROWTH AND DEVELOPMENT and an academic chair were established through gifts from the Biological Humanics Foundation and the Eugene McDermott Foundation to study human development, with special attention on genetic regulation. Director of the center is Dr. Helen H. Hobbs, chief of clinical genetics.

THE EUGENE MCDERMOTT CENTER FOR PAIN MANAGEMENT was established through gifts from the Biological Humanics Foundation. The center combines state-of-the-art pain management treatment and patient care with comprehensive basic and clinical pain research.

THE MOBILITY FOUNDATION CENTER FOR REHABILITATION RESEARCH was established with a gift from the Mobility Foundation to Southwestern Medical Foundation. Under the direction of Dr. Duke S. Samson, chairman of neurological surgery, it focuses on applied research aimed at developing improved therapies for mobility-impaired patients.

THE W.A. "TEX" AND DEBORAH MONCRIEF JR. CENTER FOR CANCER GENETICS was established with a gift from Mr. and Mrs. Moncrief to support cancer genetics research. The center is directed by Dr. John D. Minna, professor of internal medicine and pharmacology.

THE HARRY S. MOSS HEART CENTER is supported by income from a trust established by the late Harry S. Moss. The center carries out an interdisciplinary research program related to cardiovascular diseases.

THE NEARBURG FAMILY CENTER FOR BASIC AND CLINICAL RESEARCH IN PEDIATRIC ONCOLOGY was established by a gift from Charles and Dana Nearburg to support basic research in pediatric oncology. Dr. Eric N. Olson, chairman of molecular biology, directs the center.

THE CHRIS AND REECE A. OVERCASH JR. FAMILY CENTER FOR BREAST CARE RESEARCH, in Honor of Dr. George Peters, was established with a gift from the Overcash family through Southwestern Medical Foundation. Research in the center focuses on improving treatments for breast cancer.

THE REECE A. OVERCASH JR. CENTER FOR RESEARCH ON COLON CANCER, in Honor of Dr. Eugene P. Frenkel, was established by the family of the late Mr. Overcash through Southwestern Medical Foundation. The center's research is directed at discovering the causes of colon cancer and improving treatment for this disease.

THE CHARLES AND JANE PAK CENTER FOR MINERAL METABOLISM AND CLINICAL RESEARCH coordinates the activities of the Robert T. Hayes Center for Mineral Metabolism Research and the Charles Y.C. Pak and Donald W. Seldin Center for Metabolic Research. The director is Dr. Orson W. Moe, professor of internal medicine.

THE CHARLES Y.C. PAK AND DONALD W. SELDIN CENTER FOR METABOLIC RESEARCH, established by Dr. and Mrs. Pak to honor his mentor, Dr. Seldin, supports training of clinical researchers in the area of metabolism and supports the General Clinical Research Center at UT Southwestern.

THE GEORGE N. PETERS, M.D., CENTER FOR BREAST SURGERY was established by friends, colleagues and admirers of the prominent Dallas breast cancer surgeon who retired from the UT Southwestern faculty in 2001.

THE POGUE FAMILY CENTER FOR ADVANCED BRAIN IMAGING IN ALZHEIMER'S DISEASE was created with funds from Mr. and Mrs. Mack Pogue through Southwestern Medical Foundation. The center provides modern imaging technology for early diagnosis and evaluation of Alzheimer's disease.

THE LAWRENCE S. POLLOCK JR. CENTER FOR INTESTINAL CANCER RESEARCH was established with a gift from the Pollock Foundation to Southwestern Medical Foundation. Researchers in the center are studying causes and treatments for this disease.

THE POLLOCK FAMILY CENTER FOR RESEARCH IN INFLAMMATORY BOWEL DISEASE was established with a gift from the Pollock Foundation to Southwestern Medical Foundation to support research into greater understanding of this disease.

THE C. VINCENT PROTHRO CENTER FOR RESEARCH IN BASIC NEUROSCIENCE was funded by the Vin and Caren Prothro Foundation through Southwestern Medical Foundation and provides support for new areas of research in neuroscience.

THE AUDRE AND BERNARD RAPOPORT CENTER FOR CARDIOVASCULAR RESEARCH was established with a gift from Mr. and Mrs. Rapoport. Dr. M. Elizabeth Brickner, associate professor of internal medicine, directs the center's study of the pathogenesis and treatment of ischemic heart disease and congenital heart disease.

THE DONALD W. REYNOLDS CARDIOVASCULAR CLINICAL RESEARCH CENTER was created through a grant from the Donald W. Reynolds Foundation to advance research into heart disease. Dr. Helen H. Hobbs, chief of clinical genetics, serves as its director.

THE MARY NELL AND RALPH B. ROGERS MAGNETIC RESONANCE IMAGING CENTER was established by Mr. and Mrs. Rogers to support UT Southwestern's efforts in developing innovative uses in imaging technology.

THE SARAH M. AND CHARLES E. SEAY CENTER FOR BASIC AND APPLIED RESEARCH IN PSYCHIATRIC ILLNESS was established by Mr. and Mrs. Seay through Southwestern Medical Foundation. The center brings together clinical and laboratory research relevant to mental disorders.

THE SARAH M. AND CHARLES E. SEAY CENTER FOR EMERGENCY PEDIATRIC ORTHOPAEDIC TREATMENT AND RESEARCH was established by Mr. and Mrs. Seay through Southwestern Medical Foundation. The center supports collaborative programs at UT Southwestern, Children's Medical Center Dallas and Texas Scottish Rite Hospital for Children.

THE SARAH M. AND CHARLES E. SEAY CENTER FOR PEDIATRIC UROLOGY was created by a gift from Mr. and Mrs. Seay to study and treat urologic problems associated with early childhood. Dr. Linda A. Baker, professor of urology, directs the center.

THE SARAH M. AND CHARLES E. SEAY CENTER FOR RESEARCH ON PEDIATRIC BRAIN INJURY was also established by a gift from Mr. and Mrs. Seay.

THE SARAH M. AND CHARLES E. SEAY COMPREHENSIVE CENTER FOR PEDIATRIC EMERGENCY AND INTENSIVE CARE was established by Mr. and Mrs. Seay to provide multidisciplinary focus to the most serious illnesses and injuries of children through collaborative facilities at UT Southwestern, Texas Scottish Rite Hospital for Children and Children's Medical Center Dallas.

THE ANNETTE SIMMONS STEREOTACTIC TREATMENT CENTER was established by Mr. and Mrs. Harold Simmons to offer the most advanced, noninvasive therapies for brain tumors and extracranial lesions, such as lung, liver and kidney cancers.

THE HAROLD AND ANNETTE SIMMONS COMPREHENSIVE CENTER FOR RESEARCH AND TREATMENT IN BRAIN AND NEUROLOGICAL DISORDERS was established with funds from Mr. and Mrs. Simmons through Southwestern Medical Founda-

tion. The center enables UT Southwestern to make major progress in basic and clinical neuroscience.

THE HAROLD C. SIMMONS COMPREHENSIVE CANCER CENTER pursues new initiatives in cancer research and treatment. The center brings together a broad spectrum of basic and clinical research spanning a large number of departments in the medical center. Dr. James K.V. Willson, associate dean for oncology programs, is the director.

THE BOB SMITH, M.D., CENTER FOR RESEARCH IN PEDIATRIC PSYCHIATRY was established through a gift from Dr. Smith, a Dallas pediatrician, and the Dr. Bob & Jean Smith Foundation to Southwestern Medical Foundation. The center supports UT Southwestern's research, training and clinical activities in child psychiatry.

THE DR. BOB SMITH FOUNDATION CENTER FOR PROSTATE RESEARCH was established with a gift from the Dr. Bob & Jean Smith Foundation through Southwestern Medical Foundation to boost research efforts into the second-leading cause of cancer death in American men.

THE ANNETTE G. STRAUSS CENTER IN NEURO-ONCOLOGY was established through donations from Ted Strauss and other donors as a tribute to the former Dallas mayor. The center is directed by Dr. Bruce E. Mickey, vice chairman of neurological surgery.

THE TOUCHSTONE CENTER FOR DIABETES RESEARCH was established with a gift from Mrs. Lucian Touchstone to support the development of new treatments aimed at ameliorating and ultimately preventing this disease. Dr. Philipp Scherer, professor of internal medicine, directs the center.

THE KENT WALDREP CENTER FOR BASIC RESEARCH ON NERVE GROWTH AND REGENERATION was established through gifts from the Southwestern Ball and the Kent Waldrep National Paralysis Foundation to support basic research in nerve growth, function and regeneration. The center is directed by Dr. Luis F. Parada, chairman of developmental biology.

THE NEILL WALSDORF SR. BIOTECHNOLOGY CENTER IN MINERAL METABOLISM was established with funds from Mission Pharmacal Co., which is based in San Antonio. Under the direction of Dr. Charles Y.C. Pak, professor of internal medicine, the center focuses on translating research from the Charles and Jane Pak Center for Mineral Metabolism and Clinical Research to patient services, including new drugs and devices to diagnose, treat and prevent kidney stones and osteoporosis.

THE JEAN H. & JOHN T. WALTER JR. CENTER FOR RESEARCH IN AGE-RELATED MACULAR DEGENERATION was established by a gift from Mr. and Mrs. Walter to Southwestern Medical Foundation. Directed by Dr. James P. McCulley, chairman of ophthalmology, the center focuses on identifying genetic markers associated with AMD and devising therapies to prevent vision loss.

THE JEAN H. & JOHN T. WALTER JR. CENTER FOR RESEARCH IN UROLOGIC ONCOLOGY was created through a gift to Southwestern Medical Foundation from the Walters. Under the direction of Dr. Jer-Tsong Hsieh, professor of urology, the center's research efforts are focused on treating and preventing malignancies of the urinary tract, kidney, bladder and prostate.

THE JEAN WALTER CENTER FOR RESEARCH IN MOVEMENT DISORDERS conducts basic and clini-

cal research dealing with involuntary movement disorders, such as blepharospasm, dystonias, Parkinson's disease and others. It was established through gifts from Mr. and Mrs. J. Thomas Walter Jr. to Southwestern Medical Foundation.

THE JEAN D. WILSON CENTER FOR BIOMEDICAL RESEARCH was established with a gift from Dr. Wilson and his sister, Dr. Margaret Sitton, to promote research in endocrinology.

THE WINSPEAR FAMILY SPECIAL CENTER FOR RESEARCH ON THE NEUROPATHOLOGY OF ALZHEIMER'S DISEASE was established with a gift from Margot and William Winspear to support research into the causes of Alzheimer's disease. Dr. Charles L. White III, professor of pathology, is the director.

THE MILDRED WYATT AND IVOR P. WOLD CENTER FOR GERIATRIC CARE was established by Mr. and Mrs. Wold to improve medical care for this rapidly growing segment of the U.S. population. The center is directed by Dr. Craig D. Rubin, professor of internal medicine.

THE CANCER IMMUNOBIOLOGY CENTER is a specialized research center affiliated with the Harold C. Simmons Comprehensive Cancer Center. The center is directed by Dr. Ellen S. Vitetta, professor of immunology and microbiology.

THE CENTER FOR BASIC RESEARCH IN MOLECULAR IMMUNOLOGY was established through a gift from Mr. and Mrs. Louis Beecherl Jr. to conduct studies in basic immunology that are relevant to understanding and preventing organ rejection following transplantation.

THE CENTER FOR HUMAN NUTRITION was established through a special endowment to conduct scientific research on human nutrition, to promote sound nutritional education for health professionals and to develop useful nutrition programs for lay people. The center is directed by Dr. Scott M. Grundy, chairman of clinical nutrition.

THE NUCLEAR MEDICINE CENTER conducts research on the circulation of the brain and the heart in health and disease using experimental imaging methods. The director of the center is Dr. Frederick J. Bonte, professor of radiology.

LABORATORIES

THE EXXON CORPORATION LABORATORIES FOR MOLECULAR RESEARCH, established with a gift from the Exxon Mobil Corp., provide state-of-the-art equipment for research in oncology and genetics.

THE GIFFORD LABORATORIES FOR DIABETES RESEARCH were created through a gift from the Gifford Foundation. The laboratories are directed by Dr. Roger H. Unger, professor of internal medicine.

THE W.M. KECK FOUNDATION GENE MANIPULATION LABORATORIES were designed and equipped for basic genetic research with a gift from the W.M. Keck Foundation, one of the world's largest charitable organizations. Nobel laureates Drs. Michael S. Brown, professor of molecular genetics and internal medicine, and Joseph L. Goldstein, chairman of molecular genetics, direct the laboratories.

THE W.M. KECK FOUNDATION HUMAN GENOMICS LABORATORY was funded by a grant from the Keck Foundation to support research on the role of genetic mutation in human disease.

THE DONALD W. SELDIN, M.D., LABORATORIES FOR NEUROSCIENCE RESEARCH were created through a gift from the Karl and Esther Hoblitzelle Fund of Southwestern Medical Foundation to support UT Southwestern's efforts in neuroscience research.

THE PAULINE AND ADOLPH WEINBERGER LABORATORIES FOR CARDIOPULMONARY RESEARCH were established through a gift from Mr. and Mrs. Weinberger. Researchers study circulatory and pulmonary reactions to stress. Director of the laboratories is Dr. Jere H. Mitchell, professor of internal medicine and physiology.

Other named laboratories at UT Southwestern include:

Associates Corporation Laboratory for Cancer Research in Memory of Reece A. Overcash Jr.

BANK ONE, Texas Laboratory for Molecular Research
Nancy Lee and Perry R. Bass Advanced Plastic Surgery and Wound-Healing Laboratory
Theodore and Mary Beasley Laboratory for Immunopathology Research
Theodore and Mary Beasley Laboratory for Ocular Surface Research
Bret C. Bunnett Laboratory for Histopathology
Cancer Research Foundation of North Texas DNA Sequencing Laboratory
Central and South West Corporation Laboratory for Nerve Regeneration Research
Constantin Foundation Laboratory for Cancer Research
Dallas Semiconductor Corporation Laboratory for Molecular Research
John W. Duckett, M.D., Laboratory in Pediatric Urology
FINA Foundation Laboratory for Nerve Regeneration Research
Irma and Irwin Grossman Laboratory for Diabetes Research
Ron and Sandi Haddock Imaging Laboratory
Haggar Foundation Laboratory for Medical Research
Halliburton Foundation Inc. Laboratory for Molecular Research
Hillcrest Foundation Laboratory for Neuroscience Research, in Honor of Mrs. W.W. Caruth Sr.
David M. Holland Resident Learning Laboratory in Urology
Ben E. Keith Foundation Laboratory for Biomedical Research
KidneyTexas Inc. Pediatric and Adult Research Laboratory
Laboratory for Molecular Research established by Austin Industries and the William T. and Charles M. Solomon Families
Laboratory for Molecular Research established by Centex Corporation and Centex Bateson Construction Company
Leukemia Association of North Central Texas Laboratory, in Honor of Jerry Lastelick
LeRoy "Skip" Malouf Cancer Research Laboratory
NationsBank Laboratory for Molecular Research
Occidental Chemical Corporation/Roger and Dorothy Hirl Laboratory for Nerve Regeneration
Evelyn L. Overton Hematology-Oncology Research Laboratory
J.C. Penney Company Laboratory for Molecular Research
Summerfield G. Roberts Foundation Laboratory for Neuroscience Research
Josephine Rudman Laboratory for Alzheimer's Disease Research
Schollmaier Foundation/Ed and Rae Schollmaier Age-Related Macular Degeneration Laboratory
T.L. Shields Laboratory for Molecular Dermatology
Eugene Straus Charitable Trust Laboratory for Diabetes Research in Memory of Bettie, Samuel, Simon and Ruby Straus
Texas Commerce Bank Laboratory for Basic Medical Research
Tom Thumb Food & Pharmacy Laboratory for Molecular Research
TU Electric Laboratory for Molecular Research
Rob E. Walton Laboratory for Nerve Regeneration Research

ENDOWED FACULTY POSITIONS

Endowed chairs and professorships allow special support for the work of faculty members in a variety of fields. UT Southwestern is privileged to have the following endowed faculty positions.

DISTINGUISHED CHAIRS

Senator Betty and Dr. Andy Andujar Distinguished Chairmanship of Pathology: Errol C. Friedberg, M.D.
Associates First Capital Corporation Distinguished Chair in Pediatrics
Fouad A. and Val Imm Bashour Distinguished Chair in Physiology: James T. Stull, Ph.D.
William Beckner, M.D., Distinguished Chair in Otolaryngology
Julie and Louis A. Beecherl Jr. Distinguished

Chair in Biomedical Science: Joseph L. Goldstein, M.D.

Mar Nell and F. Andrew Bell Distinguished Chair in Biochemistry

Kathryne and Gene Bishop Distinguished Chair in Pediatric Care at Children's Medical Center: Thomas M. Zellers, M.D.

Jan and Bob Bullock Distinguished Chair for Science Education: Joel M. Goodman, Ph.D.

Effie and Wofford Cain Distinguished Chair in Diagnostic Imaging: Robert W. Parkey, M.D.

Effie Marie Cain Distinguished Chair in Alzheimer's Research

Effie Marie Cain Distinguished Chair in Cancer Therapy Research: Robert D. Timmerman, M.D.

R. Wofford Cain Distinguished Chair in Bone and Joint Disease Research: Kimberly Mezera, M.D.

C. James Carrico, M.D., Distinguished Chair in Surgery for Trauma & Critical Care

Children's Cancer Fund Distinguished Chair in Pediatric Oncology and Hematology: George R. Buchanan, M.D.

Marilyn R. Corrigan Distinguished Chair in Breast Cancer Surgery: David M. Euhus, M.D.

Marilyn R. Corrigan Distinguished Chair in Pediatric Research: Charles M. Ginsburg, M.D.

Edwin L. Cox Distinguished Chair in Immunology and Genetics: Edward K. Wakeland, Ph.D.

Nadine and Tom Craddick Distinguished Chair in Medical Science

Sherry Gold Knopf Crasilneck Distinguished Chair in Psychiatry, in Honor of Mollie and Murray Gold: Robert W. Greene, Ph.D., M.D.

Sherry Knopf Crasilneck Distinguished Chair in Psychiatry, in Honor of Albert Knopf: Robert W. Greene, Ph.D., M.D.

Crystal Charity Ball Distinguished Chair in Plastic Surgery: Rod J. Rohrich, M.D.

Dorothy Rogers Cullum Distinguished Chair in Neuro-Oncology

Dallas Rehabilitation Institute Distinguished Chair in Orthopaedic Rehabilitation: Robert W. Bucholz, M.D.

Beatrice and Miguel Elias Distinguished Chair in Biomedical Science: David J. Mangelsdorf, Ph.D.

Beatrice and Miguel Elias Distinguished Chair in Obstetrics and Gynecology: F. Gary Cunningham, M.D.

Amy and Vernon E. Faulconer Distinguished Chair in Medical Science

E.E. Fogelson and Greer Garson Fogelson Distinguished Chair in Urology: Claus G. Roehrborn, M.D.

Greer Garson and E.E. Fogelson Distinguished Chair in Medical Research: Elliott M. Ross, Ph.D.

Earl A. Forsythe and Janet Kendall Forsythe Distinguished Chair for Stroke Research

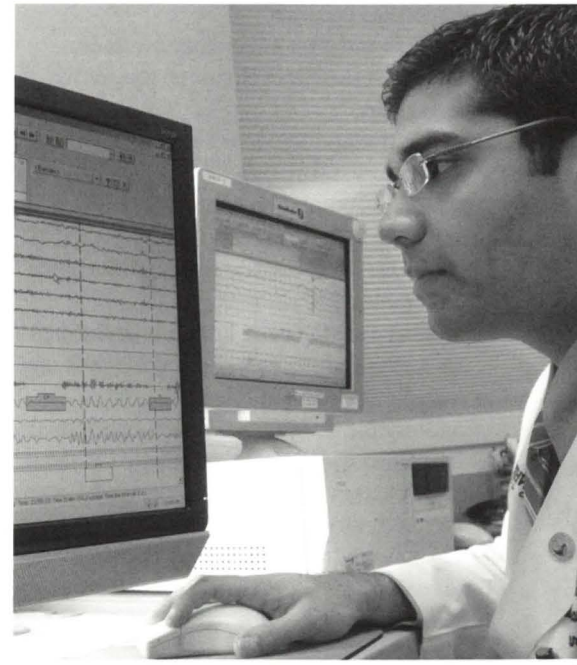
Daniel W. Foster, M.D., Distinguished Chair in Internal Medicine

Gill Distinguished Chair in Neuroscience Research

Cecil H. and Ida Green Distinguished Chair in Reproductive Biology Sciences

Cecil H. Green Distinguished Chair in Cellular and Molecular Biology: Richard G.W. Anderson, Ph.D.

Perry E. Gross, M.D., Distinguished Chair in Family Medicine: Alison Dobbie, M.D.



Rolf Haberecht and Ute Schwarz Haberecht Deanship of the UT Southwestern Graduate School of Biomedical Sciences: Melanie H. Cobb, Ph.D.

Patrick E. Haggerty Distinguished Chair in Basic Biomedical Science: Masashi Yanagisawa, M.D., Ph.D.

Nancy B. and Jake L. Hamon Distinguished Chair in Basic Cancer Research: Steven A. Kliewer, Ph.D.

Nancy B. and Jake L. Hamon Distinguished Chair in Therapeutic Oncology Research: Hak Choy, M.D.

S.T. "Buddy" Harris Distinguished Chair in Cardiac Anesthesiology

S.T. Harris Family Distinguished Chair in Breast Surgery: A. Marilyn Leitch, M.D.

S.T. Harris Family Distinguished Chair in Internal Medicine: W. Gary Reed, M.D.

Linda and Mitch Hart Distinguished Chair in Neurology: Stephen C. Cannon, M.D., Ph.D.

Betty Jo Hay Distinguished Chair in Mental Health: Madhukar Trivedi, M.D.

Robert Tucker Hayes Foundation Distinguished Chair in Cardiothoracic Surgery: Michael E. Jessen, M.D.

Robert Tucker Hayes Distinguished Chair in Nephrology, in Honor of Dr. Floyd C. Rector Jr.: Peter Igarashi, M.D.

Thomas O. and Cinda Hicks Family Distinguished Chair in Alzheimer's Disease Research: Joachim Herz, M.D.

Laurence and Susan Hirsch/Centex Distinguished Chair in Heart Disease: J. Michael DiMaio, M.D.

Adelyn and Edmund M. Hoffman Distinguished Chair in Medical Science: Willis C. Maddrey, M.D.

Aaron A. Hofmann, M.D., and Suzanne Hofmann Distinguished Chair in Orthopaedic Surgery in Honor of Richard E. Jones, M.D.: Adam Starr, M.D.

Sydney and J.L. Huffines Distinguished Chair in Cancer Research, in Honor of Eugene Frenkel, M.D.: Robert H. Collins Jr., M.D.

Jane and John Justin Distinguished Chair in Urology, in Honor of Claus G. Roehrborn, M.D.: Philippe E. Zimmern, M.D.

Kimberly-Clark Distinguished Chair in Mobility Research: Duke S. Samson, M.D.

Carl B. & Florence E. King Foundation Distinguished Chair in Pediatric Oncology Research

Virginia and Edward Linthicum Distinguished Chair in Biomolecular Science: Johann Deisenhofer, Ph.D.

Paul C. MacDonald Distinguished Chair in Obstetrics and Gynecology: Bruce R. Carr, M.D.

George L. MacGregor Distinguished Chair in Biomedical Science: Xiaodong Wang, Ph.D.

Mary Kay Inc. Distinguished Chair in Dermatology: Kim B. Yancey, M.D.

Dr. John McConnell Distinguished Chair in Prostate Cancer Research: Jer-Tsong Hsieh, Ph.D.

Nancy R. McCune Distinguished Chair in Alzheimer's Disease Research: Charles L. White III, M.D.

Eugene McDermott Distinguished Chair for the Study of Human Growth and Development: Helen H. Hobbs, M.D.

Eugene McDermott Distinguished Chair in Molecular Genetics: David W. Russell, Ph.D.

Margaret Milam McDermott Distinguished Chair in Anesthesiology: Paul F. White, Ph.D., M.D.

Margaret Milam McDermott Distinguished Chair in Anesthesiology and Pain Management: Charles W. Whitten, M.D.

John Denis McGarry, Ph.D., Distinguished Chair in Diabetes and Metabolic Research: Daniel W. Foster, M.D.

Lou and Ellen McGinley Distinguished Chair in Psychiatric Research

W.A. (Monty) Moncrief Distinguished Chair in Cholesterol and Arteriosclerosis Research: Michael S. Brown, M.D.

Philip O'Bryan Montgomery Jr., M.D., Distinguished Chair in Developmental Biology: Harold "Skip" Garner, Ph.D.

Philip O'Bryan Montgomery Jr., M.D., Distinguished Presidential Chair in Academic Administration: Daniel K. Podolsky, M.D.

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B.B. Owen Distinguished Chair in Molecular Research: Michael V. Norgard, Ph.D.

Charles Pak Distinguished Chair in Mineral Metabolism: Orson W. Moe, M.D.

Scheryle Simmons Patigian Distinguished Chair in Cancer Immunobiology: Ellen S. Vitetta, Ph.D.

Pogue Distinguished Chair in Pediatric Cardiac Surgery Research: Joseph M. Forbess, M.D.

Pogue Distinguished Chair in Research on Cardiac Birth Defects: Eric N. Olson, Ph.D.

Pogue Family Distinguished Chair in Pediatric Cardiology

Pogue Family Distinguished Chair in Pediatric Pulmonary Medicine

Ernest Poulos, M.D., Distinguished Chair in Surgery: William Wood Turner Jr., M.D.

C. Vincent Prothro Distinguished Chair in Human Nutrition Research: Jonathan C. Cohen, Ph.D.

Alfred L. and Muriel B. Rabiner Distinguished Academic Chair for Mineral Metabolism Biotechnology Research: Charles Y.C. Pak, M.D.

Audre and Bernard Rapoport Distinguished Chair in Clinical Care and Research

Audre Newman Rapoport Distinguished Chair in Pediatric Endocrinology: Perrin C. White, M.D.

Carolyn P. and Frank M. Ryburn Jr. Distinguished Chair in Basic Research in Heart Disease: Kern Wildenthal, M.D., Ph.D.

Frank M. Ryburn Jr. Distinguished Chair in Cardiothoracic Surgery and Transplantation: W. Steves Ring, M.D.

Elaine Dewey Sammons Distinguished Chair in Cancer Research: Eugene P. Frenkel, M.D.

Loyd B. Sands Distinguished Chair in Neuroscience

Sarah M. and Charles E. Seay Distinguished Chair in Cancer Research: John D. Minna, M.D.

Sarah M. and Charles E. Seay Distinguished Chair in Pediatric Medicine: M. Douglas Baker, M.D.

Sarah M. and Charles E. Seay Distinguished Chair in Thoracic Surgery: Dan M. Meyer, M.D.

Donald W. Seldin Distinguished Chair in Internal Medicine: J. Gregory Fitz, M.D.

William A. Sellars, M.D., and Joyce M. Sellars Distinguished Chair in Allergy and Immunology: Rebecca S. Gruchalla, M.D., Ph.D.

Hall and Mary Lucile Shannon Distinguished Chair in Surgery: Robert V. Rege, M.D.

Stanton Sharp Distinguished Chair in Psychiatry: Kenneth Z. Altshuler, M.D.

Andrea L. Simmons Distinguished Chair in Cancer Research: Joan H. Schiller, M.D.

Annette Simmons Distinguished Chair in Breast Cancer Research

Lisa K. Simmons Distinguished Chair in Comprehensive Oncology: James K.V. Willson, M.D.

Serena S. Simmons Distinguished Chair in Cancer Immunopharmacology: Philip E. Thorpe, Ph.D.

Dr. Bob & Jean Smith Foundation Distinguished Chair in Neuromuscular Disease Research: Gil I. Wolfe, M.D.

Jim and Norma Smith Distinguished Chair for Interventional Cardiology: John Warner, M.D.

Lois C.A. and Darwin E. Smith Distinguished Chair in Neurological Mobility Research

Lois C.A. and Darwin E. Smith Distinguished Chair in Neurological Surgery: Duke S. Samson, M.D.

Dr. Ralph C. Smith Distinguished Chair in Urologic Education: Margaret S. Pearle, M.D., Ph.D.

Ralph C. Smith, M.D., Distinguished Chair in Minimally Invasive Urologic Surgery: Jeffrey A. Cadeddu, M.D.

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Southwestern Ball Distinguished Chair in Nerve Regeneration Research: Luis F. Parada, Ph.D.

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Vernie A. Stembridge, M.D., Distinguished

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Gayle and Paul Stoffel Distinguished Chair in Cardiology: Milton Packer, M.D.

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Touchstone/West Distinguished Chair in Diabetes Research: Roger H. Unger, M.D.

U.S. Armed Forces Veterans Distinguished Chair for Medical Research, Honoring America's Gulf War Veterans: Robert W. Haley, M.D.

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Robert A. Welch Foundation Distinguished Chair in Chemistry: John R. Falck, Ph.D.

Carl H. Westcott Distinguished Chair in Medical Research

Jimmy Elizabeth Westcott Distinguished Chair in Pediatric Neurology: Susan T. Iannaccone, M.D.

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Raymond Willie and Ellen Willie Distinguished Chair in Molecular Neuropharmacology, in Honor of Harold B. Crasilneck, Ph.D.

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Distinguished Chair in Basic Biomedical Research: Steven L. McKnight, Ph.D.

Distinguished Chair in Human Nutrition: Scott M. Grundy, M.D., Ph.D.

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Julie and Louis Beecherl Jr. Chair in Medical Science

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William Buchanan Chair in Pediatrics: Rashmin Savani, M.B., Ch.B.

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Communities Foundation of Texas Chair in Brain Science: Carol A. Tamminga, M.D.

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Margaret and Trammell Crow Chair in Alzheimer's and Geriatric Research: Craig D. Rubin, M.D.
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Dallas Heart Ball Chair for Research on Heart Disease in Women: Elizabeth M. Holper, M.D.,
Dallas Heart Ball Chair in Cardiac Arrhythmia Research
Dallas Heart Ball Chair in Cardiac Research
Dallas Heart Ball Chair in Cardiology Research: Helen H. Hobbs, M.D.
Dallas Heart Ball Chair in Hypertension and Heart Disease
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Fredye Factor Chair in Rheumatoid Arthritis Research
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Golden Charity Guild Charles R. Baxter, M.D., Chair: John L. Hunt, M.D.
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JonssonRogers Chair in Cardiology: John D. Rutherford, M.D.
Norman and Audrey Kaplan Chair in Hypertension
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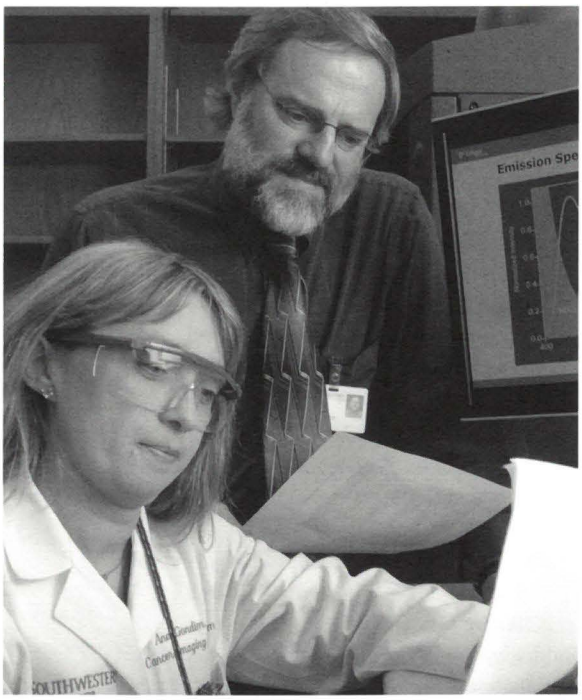
Ruth W. and Milton P. Levy Sr. Chair in Molecular Nephrology
Thomas Fariss Marsh Jr. Chair in Pediatrics
McGee Foundation Chair in Arthritis Research: Nancy Olsen, M.D.
McKenzie Foundation Chair in Psychiatry I
McKenzie Foundation Chair in Psychiatry II
Arthur E. Meyerhoff Chair in Otolaryngology/ Head and Neck Surgery: Peter S. Roland, M.D.
Royal C. Miller Chair in Age-Related Macular Degeneration Research
Robert L. Moore Chair in Pediatrics: George Lister, M.D.
Meredith Mosle Chair in Liver Disease: William M. Lee, M.D.
NCH Corporation Chair in Molecular Transport: Dennis K. Stone, M.D.
Occidental Chemical Chair in Cancer Research: James F. Huth, M.D.
Virginia Lazenby O'Hara Chair in Biochemistry: Kevin H. Gardner, Ph.D.
Berta M. and Dr. Cecil O. Patterson Chair in Gastroenterology: Stuart J. Spechler, M.D.
Dr. Paul Peters Chair in Urology in Memory of Rumsey and Louis Strickland: Arthur I. Sagalowsky, M.D.
Paul C. Peters, M.D., Chair in Urology: Allen Morey, M.D.
Jack A. Pritchard, M.D., Chair in Obstetrics and Gynecology: Kenneth J. Leveno, M.D.
Audre and Bernard Rapoport Chair in Cardiovascular Research: John Warner, M.D.



Jack Reynolds, M.D., Chair in Radiology: Michael J. Landay, M.D.

Riggs Family Chair in Emergency Medicine: Paul E. Pepe, M.D.

Clifton and Betsy Robinson Chair in Biomedical Research: Philip Raskin, M.D.

Rosewood Corporation Chair in Biomedical Science

Frank M. Ryburn Jr. Chair in Heart Research: Joseph A. Hill, M.D., Ph.D.

Elaine Dewey Sammons Chair in Pulmonary Research: John E. Fitzgerald, M.D.

Charles A. and Elizabeth Ann Sanders Chair in Translational Research: Richard Auchus, M.D., Ph.D.

J. Fred Schoellkopf Jr. Chair in Cardiology: James A. de Lemos, M.D.

Charles E. and Sarah M. Seay Chair in Child Psychiatry: Graham J. Emslie, M.D.

Sarah M. and Charles E. Seay Chair in Child Psychiatry: Uma Rao, M.B., B.S.

Sarah M. and Charles E. Seay Chair in Pediatric Infectious Diseases: George H. McCracken Jr., M.D.

Sarah M. and Charles E. Seay Chair in Pediatric Research: Michel G. Baum, M.D.

Harold C. Simmons Chair in Arthritis Research: David R. Karp, Ph.D.

Charles Cameron Sprague, M.D., Chair in Clinical Oncology: Barbara B. Haley, M.D.

Charles Cameron Sprague, M.D., Chair in Medical Science: Nancy K. Rollins, M.D.

Joel B. Steinberg, M.D., Chair in Pediatrics: Julio Pérez Fontán, M.D.

Helen J. and Robert S. Strauss and Diana K. and Richard C. Strauss Chair in Pediatric Surgery: Robert P. Foglia, M.D.

Helen J. and Robert S. Strauss and Diana K. and Richard C. Strauss Chair in Women's Health: Karen D. Bradshaw, M.D.

Roy and Christine Sturgis Chair in Biomedical Research: Donald W. Hilgemann, Ph.D.

Dr. W. Maxwell Thomas Chair in Ophthalmology: H. Dwight Cavanagh, M.D., Ph.D.

Paul J. Thomas Chair in Medicine: Michael S. Brown, M.D., and Joseph L. Goldstein, M.D.

Carl J. and Hortense M. Thomsen Chair in Alzheimer's Disease Research: Dwight C. German, Ph.D.

Dr. Eugene Tragus Chair in Molecular Cardiology

Robert V. Walker, D.D.S., Chair in Oral and Maxillofacial Surgery: John R. Zuniga, D.M.D., Ph.D.

Warren A. Weinberg, M.D., Chair in Pediatric Neurology and Learning

Betty and Warren Woodward Chair in Plastic and Reconstructive Surgery: Rod J. Rohrich, M.D.

James M. Wooten Chair in Cardiology: Mark H. Drazner, M.D.

Endowed Chair in Human Nutrition: Abhimanyu Garg, M.D.

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Paul R. Bergstresser, M.D., Distinguished Professorship in Dermatology

Pam Blumenthal Distinguished Professorship in Clinical Psychology: C. Munro Cullum, Ph.D.

Children's Cancer Fund Distinguished Professorship in Pediatric Oncology Research

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Seymour Eisenberg Distinguished Professorship in Geriatric Medicine: Craig D. Rubin, M.D.

Patricia Duniven Fletcher Distinguished Professorship in Gynecological Oncology

Mark and Jane Gibson Distinguished Professorship in Cancer Research: Roderich E. Schwarz, M.D., Ph.D.

GlaxoSmithKline Distinguished Professorship of Pediatric Infectious Diseases: George H. McCracken Jr., M.D.

Dr. Scott M. Grundy Distinguished Professorship in Human Nutrition: Gloria Lena Vega, Ph.D.

Frank H. Kidd Jr., M.D., Distinguished Professorship in Surgery: Daniel Scott, M.D.

John P. Perkins, Ph.D., Distinguished Professorship for Graduate Education: Leon Avery, Ph.D.

Jan and Bob Pickens Distinguished Professorship in Medical Science, in Memory of Jerry Knight Rymer and Annette Brannon Rymer and Mr. and Mrs. W.L. Pickens: G. Patrick Clagett, M.D.

David A. Pistenmaa, M.D., Ph.D., Distinguished Professorship in Radiation Oncology: David J. Chen, Ph.D.

Drs. George and Anne Race Distinguished Professorship of Pathology: Joseph Zhou, M.D.

Rod J. Rohrich, M.D., Distinguished Professorship in Wound Healing and Plastic Surgery: Jeffrey M. Kenkel, M.D.

Ed and Sue Rose Distinguished Professorship in Neurology: Ralph G. Greenlee Jr., M.D.

Lorraine Sulkin Schein Distinguished Professorship in Microbial Pathogenesis: Eric J. Hansen, Ph.D.

Lydia Bryant Test Distinguished Professorship in Psychiatric Research: Madhukar Trivedi, M.D.

Hansjoerg Wyss Distinguished Professorship in Orthopaedic Trauma: Charles M. Reinert, M.D.

Dr. Morris Ziff Distinguished Professorship in Rheumatology

Distinguished Professorship in Drug and Alcohol Abuse Research: Bryon H. Adinoff, M.D.

Distinguished Professorship in Exercise Sciences

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American Airlines Professorship in Cancer Research: John M. Truelson, M.D.

Anesthesiology Alumni Professorship: Louis A. Stool, M.D.

Dr. Charles T. Ashworth Professorship in Pathology: Raheela Ashfaq, M.D.

Carolyn R. Bacon Professorship in Medical Science and Education: Michael K. Rosen, Ph.D.

Walter M. and Helen D. Bader Professorship in Arthritis and Autoimmune Research: Chandra Mohan, M.B., B.S.

Baldridge Family Professorship in Internal Medicine and Preventive Care: Carol L. Croft, M.D.

Barrett Family Professorship in Cancer Research: Cynthia J. Rutherford, M.D.

Frederic C. Bartter Professorship in Vitamin D Research: Joseph E. Zerwekh, Ph.D.

Carla and Paul Bass Professorship in Medical Education Honoring Charles C. Sprague, M.D.: Shelly P. Roaten Jr., M.D.

Harry W. Bass Jr. Professorship in Pediatric Education: Patricia J. Hicks, M.D.

BeautiControl Cosmetics Inc. Professorship in Mineral Metabolism and Osteoporosis: Khashayar Sakhaee, M.D.

Birsner Family Professorship in Neurological Surgery: Jonathan A. White, M.D.

Dr. Fred Bonte Professorship in Radiology: Diane M. Twickler, M.D.

Alvin "Bud" Brekken Professorship in Obstetrics and Gynecology: George D. Wendel, M.D.

Dick and Martha Brooks Professorship in Nerve Growth Research: Mark J. Henkemeyer, Ph.D.

Dr. Fred S. Brooksaler Professorship in Pediatrics: David E. Fixler, M.D.

Mr. and Mrs. Bruce G. Brookshire Professorship in Medicine: R. Reed Click, M.D.

David Bruton Jr. Professorship in Clinical Cancer Research: David A. Pistenmaa, M.D., Ph.D.
William M. and Gay Burnett Professorship for Arthritis Research: Joel D. Taurog, M.D.
W.B. Carrell Professorship of Orthopaedic Surgery
John H. Childers, M.D., Professorship in Pathology: Richard H. Scheuermann, Ph.D.
Fredric L. Coe Professorship in Nephrolithiasis Research in Mineral Metabolism: Robert F. Reilly Jr., M.D.
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Mary M. Conroy Professorship in Kidney Disease: Robert D. Toto, M.D.
Rody P. Cox, M.D., Professorship in Internal Medicine: Rody P. Cox, M.D.
Barbara Crittenden Professorship in Cancer Research: Timothy Solberg, Ph.D.
Trammell Crow Professorship in Neurosurgery: Howard W. Morgan, M.D.
Beth and Marvin C. (Cub) Culbertson Professorship in Pediatric Otolaryngology: Orval E. Brown, M.D.
Peter and Jean D. Dehlinger Professorship in Biomedical Science: Helen L. Yin, Ph.D.
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Jose Garcia, M.D., Professorship in Internal Medicine: Belinda A. Vicioso, M.D.
Stanley Gilbert, M.D., Professorship in Family Practice: Madelyn P. Pollock, M.D.
A.J. Gill Professorship in Pathology: Michael Bennett, M.D.
Gillette Professorship in Obstetrics and Gynecology: Susan M. Cox, M.D.
Wesley Gilliland Professorship in Biomedical Research: David W. Self, Ph.D.
John Lawrence and Patsy Louise Goforth Professorship in Pathology: Arthur G. Weinberg, M.D.
Arthur Grollman Professorship in Obstetrics and Gynecology: Barry E. Schwarz, M.D.
L. Ruth Guy, Ph.D., Professorship in Medical Laboratory Science
Rose Mary Haggar Professorship in Urology: Gary E. Lemack, M.D.
Ruth S. Harrell Professorship in Medical Research: Shmuel Muallem, Ph.D.
Alfred W. Harris, M.D., Professorship in Cardiology: Sharon C. Reimold, M.D.
Margaret D. Harris Professorship in Alzheimer's Research: Perrie M. Adams, Ph.D.
Tim and Toni Hartman Professorship in Medicine: Lynne M. Kirk, M.D.
Graydon Heartsill Professorship in Medical Science: Robert Hammer, Ph.D.
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M.R. & E. Hudson Foundation Professorship in Radiology, in Honor of Edward E. Christensen, M.D.: George C. Curry, M.D.
M.T. "Pepper" Jenkins Professorship in Anesthesiology: Charles W. Whitten, M.D.
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Jacob Lemann, M.D., Professorship in Calcium Transport: ChouLong Huang, M.D., Ph.D.
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Lowe Foundation Professorship in Pediatric Neuro-Oncology: Naomi J. Winick, M.D.
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Nearburg Family Professorship in Pediatric Oncology Research
Annie and Willie Nelson Professorship in Stem Cell Research: Eric N. Olson, Ph.D.
Elizabeth Thaxton Page and Ellis Batten Page Professorship in Cardiac Electrophysiology Research: Jose A. Joglar, M.D.
Wechun Pak Professorship of Bone Biophysics: Peter P. Antich, Ph.D.
Parkland Community Medicine Professorship
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Robert B. and Virginia Payne Professorship in Oncology: David Boothman, Ph.D.
Elizabeth H. Penn Professorship in Clinical Psychology: Robin B. Jarrett, Ph.D.
Malcolm O. Perry, M.D., Professorship in Surgery: Ohwofiemu Nwariaku, M.D.
Jeanne Ann Plitt Professorship in Breast Cancer Research
Doris E. Porter Professorship in Physical Therapy: Patricia K. Winchester, Ph.D.
George and Carol Poston Professorship in Breast Cancer Research: W. Phil Evans, M.D.
A. Kenneth Pye Professorship in Cancer Research: Eugene P. Frenkel, M.D.
Drs. Anne and George Race Professorship of Student Psychiatry: Eleonora Szmuk, M.D.
George and Anne Race Alumni Professorship in History
Floyd C. Rector Jr., M.D., Professorship in Acid-Base Regulation
Lillian B. and Tom B. Rhodes Professorship in Stem Cell Research
Dr. John L. and Louise Roan Professorship in Family Medicine
Mary Nell and Ralph B. Rogers Professorship in Immunology: James M. Forman, D.M.D., Ph.D.
Eva A. Rosenthal Professorship in Internal Medicine: W. Gary Reed, M.D.
Dr. Bill Ross Professorship in Family Practice: Shelley P. Roaten Jr., M.D.
Jay P. Sanford Professorship in Infectious Diseases: Beth Levine, M.D.
Hortense L. and Morton H. Sanger Professorship in Oncology: Mike White, Ph.D.
Donald W. Seldin Professorship in Clinical Investigation: Orson W. Moe, M.D.
Dr. J.B. Shelmire Professorship in Dermatology: Ponciano D. Cruz Jr., M.D.
Thomas L. Shields, M.D., Professorship in Dermatology
George A. and Nancy P. Shutt Professorship in Medical Science: Jerry Y. Niederkorn, Ph.D.
Sinor/Pritchard (Katy Sinor and Kay Pritchard) Professorship in Medical Education Honoring Donald W. Seldin, M.D.: W. Gary Reed, M.D.
H. Lloyd and Willye V. Skaggs Professorship in Medical Research: Robert H. Collins Jr., M.D.
Edwin Ide Smith, M.D., Professorship in Pediatric Surgery: Michael Skinner, M.D.
Jackie and Charles Solomon Professorship in Breast Cancer Research and Treatment, in Honor of Elizabeth Naftalis, M.D.
Martha Steiner Professorship in Medical Research
Paul T. Stoffel / Centex Professorship in Clinical Care: R. Ellwood Jones, M.D.
Diana and Richard C. Strauss Professorship in Biomedical Research: William J. Kovacs, M.D.
Helen and Robert S. Strauss Professorship in Pediatric Neurology
Helen J. and Robert S. Strauss Professorship in Urology: Yair Lotan, M.D.
Theodore H. Strauss Professorship in Neuro-Oncology: Elizabeth Maher, M.D., Ph.D.
J. Wayne Streilein, M.D., Professorship in Immunology

John C. Vanatta III Professorship: Byron L. Cryer, M.D.
Irene Wadel and Robert I. Atha Professorship in Ophthalmology: R. Wayne Bowman, M.D.
Irene Wadel and Robert Atha Professorship of Internal Medicine, in Honor of John W. Burnside, M.D.: Steven L. Leach, M.D.
Walsdorf Professorship in Geriatrics Research: Craig D. Rubin, M.D.
Kern and Marnie Wildenthal President's Research Council Professorship in Medical Science: Makoto Kuro-o, M.D., Ph.D.

VISITING PROFESSORSHIPS AND LECTURESHIPS

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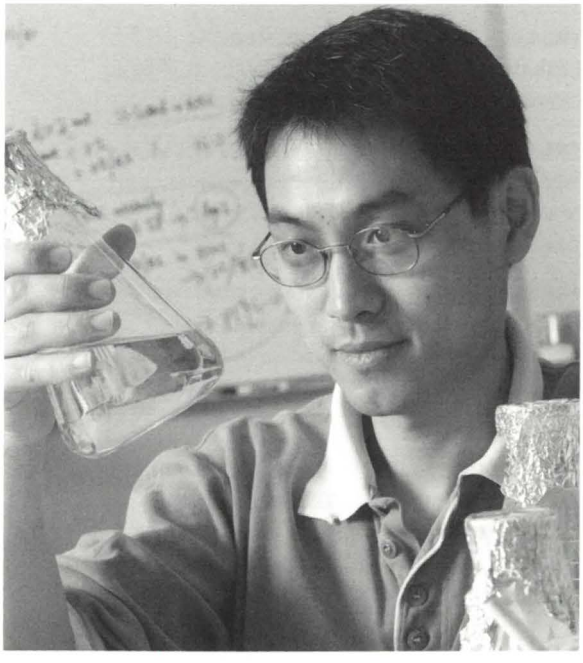
David G. Beddow Memorial Lectureship in Pathology
Lyman E. Bilhartz, M.D., AOA Lecture Series
Rupert Everrett Billingham, Ph.D., Visiting Lectures in Cell Biology
Albert Blakes, M.D., Melanoma Lectureship
Mr. and Mrs. I.G. Bromberg Memorial Visiting Professorship in Internal Medicine



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Larry Duffy Lecture Series Fund
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Luis Leib, M.D. Ob/Gyn Lectureship
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John R. Lynn, M.D., Lecture Series in Ophthalmology
Morton F. Mason Lectureship in Pathology
William L. Meyerhoff, M.D., Ph.D., Lecture Series in Otolaryngology-Head and Neck Surgery
Ludwig A. Michael Visiting Professorship in Otorhinolaryngology
George E. Peacock Jr. Memorial Lectureship in Pathology
L.R. Pearson Lectureship in Urology
Rolland C. Reynolds, M.D., Lectureship in Pathology
William D. Seybold, M.D., Lectureship in Surgery
Dr. Robert S. Sparkman Lecture Series in Surgery
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Dr. Alvin Taurog Lecture Series in Pharmacology
Jake Tobolowsky Visiting Professorship in

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Henry M. Winans Sr., M.D., Visiting Professorship in Internal Medicine
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Morris and Edna Zale Pediatric Lectureship
Carol F. Zimmerman, M.D., Lecture Series in NeuroOphthalmology

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THE EFFIE MARIE AND WOFFORD CAIN ENDOWED CLINICAL RESEARCH PROGRAM provides funds for clinical research in Alzheimer's disease.

THE EFFIE MARIE CAIN RESEARCH SCHOLAR FUND provides support for new research initiatives in angiogenesis.

THE BEATRICE AND MIGUEL ELIAS FUND was established from the estate of Mrs. Beatrice M. Elias and from The Beatrice and Miguel Elias Charitable Trust for the support of medical research.

THE ENDOWED FUND FOR MEDICAL EXCELLENCE was established by anonymous donors to provide ongoing support for basic research in biochemistry and molecular biology.

THE EXCELLENCE IN EDUCATION FOUNDATION FUND was given by a foundation established by the co-founders of Texas Instruments: Erik Jonsson, Cecil H. Green and Eugene McDermott. The fund supports research in molecular genetics and human disease.

THE GERTRUDE M. GILLESPIE FUND was established from the estate of Mrs. Gillespie for the support of basic research, neuroscience and aging.

THE DILWORTH S. HAGER CLINICAL FELLOWSHIP FUND provides funds for neurosurgical training activities.

THE ALLINE TUCKER HAYES FUND FOR BEHAVIORAL BRAIN SCIENCE was given by the Robert T. Hayes Foundation in memory of Mr. Hayes' mother. The fund is used for research on the biochemical basis of behavioral disorders.

THE ADELYN AND EDMUND HOFFMAN ENDOWMENT FUND FOR EXCELLENCE IN OSTEOPOROSIS RESEARCH at Southwestern Medical Foundation was created to enhance research in calcium metabolism and bone disease.

THE PHILIP R. JONSSON ENDOWMENT FUND, held at Southwestern Medical Foundation, was established by Mr. and Mrs. Erik Jonsson to honor their son.

THE LAWSON AND ROGERS LACY RESEARCH FUND IN CARDIOVASCULAR DISEASES, named for the parents of Longview businesswoman Ann Lacy Crain, supports research in cardiovascular diseases.

THE W.P. AND BULAH LUSE FUND FOR MEDICAL RESEARCH provides support for a variety of programs, including research on urological diseases.

THE LUCILLE P. MARKEY BASIC MEDICAL RESEARCH FUND supports research efforts in basic biomedical science by young investigators.

THE ELLA C. MCFADDEN CHARITABLE TRUST at Southwestern Medical Foundation provides funds to support the biobehavioral brain science program in the Department of Psychiatry.

THE SARA AND FRANK MCKNIGHT FUND FOR BIOMEDICAL RESEARCH was established at Southwestern Medical Foundation by UT Southwestern faculty member Dr. Steven McKnight in honor of his parents.

THE VIRGINIA LAZENBY O'HARA FUND FOR RESEARCH IN BIOCHEMISTRY, administered through Southwestern Medical Foundation, supports research activities in the Department of Biochemistry.

THE PEROT FOUNDATION FUND supports genetic

research under the direction of Nobel laureates Dr. Joseph Goldstein and Dr. Michael Brown and provides scholarships for students in the Medical Scientist Training Program.

THE DR. RALPH C. SMITH FUND FOR UROLOGY was established by a bequest from the late Dr. Smith, who was a distinguished teacher and leading urologist in Dallas for many years.

THE SWEETHEART BALL FUND FOR CARDIOLOGY RESEARCH supports molecular approaches for the treatment of heart disease.

THE ANNE MARIE AND THOMAS B. WALKER JR. FUND FOR CLINICAL RESEARCH FOR NEW TREATMENTS IN BREAST CANCER was established with a gift from the Walkers to seek better ways to treat breast cancer.

THE ANNE MARIE AND THOMAS B. WALKER JR. FUND FOR RESEARCH ON MACULAR DEGENERATION OF THE RETINA also was created by a gift from the Walkers. It was established to help researchers uncover genetic clues to one of the leading causes of blindness in the United States.

THE JEAN H. & JOHN T. WALTER JR. PROGRAM FOR POSTDOCTORAL TRAINING AND MENTORING IN BREAST CANCER provides subspecialty training to doctors who devote their careers to treating breast cancer.

THE DR. BRYAN WILLIAMS STUDENT ASSISTANCE FUND provides support for student scholarships and loans.

THE HARRIET L. WORSHAM FUND FOR ALZHEIMER'S DISEASE RESEARCH supports research to develop better diagnostic techniques and treatments for Alzheimer's disease.

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Laurence Baker Memorial Scholarship Fund

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Vanatta, Hesser and Schmalstieg Excellence in Tutoring Award Fund
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Evelyn M. Whitman Scholarship Fund
Melba R. Williams Testamentary Trust
Russell H. Wilson, M.D., Scholarship Fund
Wyndham International Inc. Scholarship Fund
Xi of Phi Chi Benefit Association Fund
Iona K. Young Scholarship Endowment Fund
Yuen-Tsai Family Fellowship

STUDENT INFORMATION

• anesthesiology and pain management • biochemistry • cardiovascular and thoracic surgery • cell biology • clinical sciences • dermatology • developmental biology • family and community medicine • immunology • internal medicine • microbiology • molecular biology • molecular genetics • neurological surgery • neurology • neuroscience • obstetrics and gynecology • ophthalmology • orthopaedic surgery • otolaryngology - head and neck surgery • pathology • pediatrics • pharmacology • physical medicine and rehabilitation • physiology • plastic surgery • psychiatry • radiation oncology • radiology • surgery • urology •

ADMISSION TO THE MEDICAL CURRICULUM

Admission to UT Southwestern Medical School is determined by an Admissions Committee appointed by the dean of the medical school. It is composed of faculty members from both basic science and clinical departments.

APPLICATION PROCEDURE

Applications for admission to the first-year class beginning in August of any year must be submitted between May 1 and Oct. 15 preceding the year of desired entrance. Application to any medical or dental school in The University of Texas System, Texas A&M University College of Medicine and Texas Tech University School of Medicine is made to the central application center. Application must be made via the Web site for the Texas Medical and Dental Schools Application Service at www.utsystem.edu/tmdsas.

ACADEMIC PREREQUISITES

Obtaining a baccalaureate degree is strongly recommended for applicants to UT Southwestern; however, applicants may be admitted after completing 90 semester hours (exclusive of physical education requirements).

For applicants attending non-U.S. colleges and universities, it is recommended that undergraduate course work be completed at or credited through a regionally accredited U.S. or Canadian college or university. At least 45 semester hours, including all prerequisites, should have a grade assigned by a U.S. college or university.

It is the responsibility of the applicant to complete all prerequisites prior to matriculating into medical school. Questions regarding prerequisites should be directed initially to the premedical adviser at the applicant's college or university and secondarily to the Texas Medical and Dental Schools Application Service. If necessary, clarification should be obtained from the Admissions Office, with which final acceptance of courses for prerequisite credit rests.

The required course work is as follows:

ENGLISH: One year of college English. A minimum of six semester credit hours is required with a grade of C or better. English courses must be approved by the English department for fulfillment of the general education English requirement for the baccalaureate degree. Remedial, developmental and "English as a Second Language" courses are not accepted.

BIOLOGY: Two years as required for science majors. One year must include a formal laboratory experience. A minimum of 14 semester credit hours is required with grades of C or better. One semester in biochemistry, as offered for science majors, will be accepted toward fulfilling one-half year of this biology requirement. Courses for non science majors and courses taught for health-career majors (nursing, pharmacy or health professions sciences) are not accepted.

PHYSICS: One year including laboratory as offered for science majors. A minimum of eight semester credit hours is required with grades of C or better. Any courses for non-science majors or health-career majors (nursing, pharmacy or health professions sciences) are not accepted.

CHEMISTRY: Two years including laboratory as offered for science majors. A minimum of 16 semester credit hours is required with grades of C or better, divided equally between inorganic and organic chemistry. It should include experience in the laboratory and familiarity with analytic and volumetric techniques. Any courses for non-science majors or health-career majors (nursing, pharmacy or health professions sciences) are not accepted.

MATHEMATICS: One-half year of college calculus or statistics. A minimum of three semester credit hours is required with a grade of C or better. The calculus course may be taught by the math or physics department. Business calculus and pre-calculus are not accepted. The statistics course must be math-based and preferably taught in the math department. Business statistics and statistics taught in social sciences or education departments are not accepted.

EVALUATION OF APPLICANTS

The Admissions Committee considers all of the following in evaluating each applicant's acceptability:

1) Academic performance in college as reflected in the undergraduate grade-point average;
2) The rigor of the undergraduate curriculum;
3) Scores from the Medical College Admission Test;
4) Recommendation letters from the college premedical committee or faculty;
5) Extracurricular activities;
6) Research experience;
7) Socioeconomic background;
8) Any time spent in outside employment;
9) Personal integrity and compassion for others;
10) The ability to communicate in English;
11) Race and/or ethnicity;
12) Other personal qualities and individual factors, such as leadership, self-appraisal, determination, social/family support and maturity/coping capabilities;
13) The applicant's motivation for a career in medicine.

In addition, applicants are evaluated with regard to the mission of UT Southwestern Medical School, which emphasizes the importance of training primary-care physicians, educating doctors who will practice in medically underserved areas of Texas, and preparing physician-scientists who seek careers in academic medicine and research.

A personal interview is required and is initiated by invitation from the Admissions Committee. The committee invites applicants to interview who have excellent academic qualifications or who demonstrate convincing evidence of commitment to an area of medicine emphasized in the mission of the medical school and who have academic backgrounds that indicate the potential for success in achieving the M.D. degree.

MEDICAL COLLEGE ADMISSION TEST

Each applicant must take the Medical College Admission Test prepared by the American College Testing Program, and the test scores must be available before the Admissions Committee will take action on the application. MCAT scores are valid for five application seasons immediately subsequent to the date taken. The MCAT must be taken in or before the year in which application is made. The test is offered each spring and fall at premedical college centers. The advantage of taking the test in the spring rests in the applicant's ability to retake it (if necessary) in the fall.

Registration for the MCAT can be accomplished at the Web site www.aamc.org.

ESSENTIAL FUNCTIONS

All individuals, including people with disabilities, who apply for admission to UT Southwestern Medical School must be able to perform specific essential functions. Essential functions are the basic activities that a student must be able to perform to complete the generalist medical school curriculum. No applicant who can perform the medical school's essential functions — either with or without reasonable accommodations — will be denied consideration for admission. A candidate for the M.D. degree at UT Southwestern must be able to perform these essential functions:

OBSERVATION: Candidates must be able to accurately observe demonstrations and patients close up and at a distance to learn skills and to gather patient data (e.g., observe a patient's gait, appearance, posture, etc.). Candidates also must possess functional use of the sense of vision and somatic sensation. Observation is enhanced by the functional use of the sense of smell.

COMMUNICATION: Candidates must be able to communicate orally and in writing with patients and members of the health care team. Candidates also must be able to read and comprehend written material.

PSYCHOMOTOR SKILLS: Candidates must have sufficient motor function to obtain data from patients using tactile, auditory and visual maneuvers. Candidates must be able to execute motor movements to provide the general care and emergency treatment reasonably required of physicians.

INTELLECTUAL AND COGNITIVE ABILITIES: Candidates must be able to measure, calculate, reason, analyze, synthesize, integrate and apply information. Problem solving, a clinical skill required of physicians, requires all these intellectual abilities. In addition, candidates must be able to compre-

hend 3-D relationships and to understand the spatial relationships of structures.

BEHAVIORAL AND SOCIAL ATTRIBUTES: Candidates must possess the emotional health required to use their intellectual abilities fully, such as exercising good judgment, promptly completing all responsibilities attendant to the diagnosis and care of patients, and developing mature, sensitive and effective relationships with patients. Candidates must be able to tolerate physically taxing workloads and to function effectively under stress. They must be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties and ambiguities inherent in the clinical problems of many patients. Compassion, integrity, concern for others, interpersonal skills, interest and motivation are personal qualities that will be assessed during the admissions and education process.

ETHICAL STANDARDS: A candidate must demonstrate professional demeanor and behavior and must perform in an ethical manner in all dealings with peers, faculty, staff and patients.

CRIMINAL BACKGROUND CHECK

Based on the recommendation of the Association of American Medical Colleges and as authorized by the Board of Regents of the UT System, UT Southwestern Medical School will conduct a criminal background check on all medical students prior to their initial enrollment and again prior to third-year rotations.

RESIDENCY DEFINED

Under state statutes and Texas Higher Education Coordinating Board rules and regulations interpreting those statutes, a prospective student is classified as a resident of Texas, a nonresident or a foreign student.

A person who has resided in the state under circumstances specified in these rules is eligible for classification as a resident. A citizen, a national or a permanent resident of the United States not eligible to be classified as a resident is classified as a nonresident. An alien who is not a permanent resident of the United States and has not been permitted by Congress to adopt the United States as a domicile while in this country is classified as a foreign student. An individual classified as a nonresident may qualify, under certain exceptions specified in these rules, for resident tuition rates and other charges while continuing to be classified as a nonresident.

The student is responsible for registering under the proper residence classification. If there is any question about the student's right to classification as a resident of Texas, it is the student's obligation to consult the Office of the Registrar and have his or her status officially determined. The applicable statutory provisions are set forth in sections 54.052û54.219, *Texas Education Code*. Rules and regulations and interpretations have been issued by the Texas Higher Education Coordinating Board for the effective and uniform administration of these provisions.

Students must file a Core Residency Questionnaire for classification as a resident. If the student's classification as a resident becomes inappropriate for any reason, the student must notify the proper administrative official at the medical center. Information and advice regarding residency status are available from the Office of the Registrar.

ACTIVE MILITARY SERVICE

A student who withdraws from the medical school to perform active military service (not including Texas National Guard training exercises) will not have to reapply for admission but will be readmitted upon request made within one year of being released from active military service. The student may be eligible for the same financial assistance provided before the student's withdrawal.

REQUIRED IMMUNIZATIONS

Upon entry, the following immunizations are required for all students enrolled in health-related courses that will involve direct patient contact in medical- or dental-care facilities or who come in contact with human or animal biological fluids or tissue. Students for whom these immunizations are not required are strongly urged to obtain these immunizations for their own protection.

MEASLES: proof of two doses of measles vaccine administered on or after the first birthday and at least 30 days apart or proof of immunity;

MUMPS: proof of one dose of mumps vaccine administered on or after the first birthday or proof of immunity;

RUBELLA: proof of one dose administered on or after the first birthday or proof of immunity;

VARICELLA: Proof of two doses of varicella vaccine after the first birthday or documentation of history of the disease, including the date. Students are required to present a letter or other suitable written certification.

TETANUS/DIPHTHERIA: proof of one booster dose of tetanus/diphtheria within 10 years or Tdap (tetanus-diphtheria, acellular pertussis). Tdap is recommended for all students with anticipated pediatric patient contact.

HEPATITIS B VIRUS: proof of serologic immunity to HBV or certification of immunization with a complete series of hepatitis B vaccine.

TUBERCULIN SKIN TEST (PPD): within one year of matriculation or, if history of a positive PPD reading exists, documentation of a chest X-ray.

Students enrolled at UT System institutions will assume the full cost of the immunizations.

BACTERIAL MENINGITIS

All new students to UT Southwestern, in conjunction with their initial registration, receive information approved by the Texas Department of Health related to bacterial meningitis. This information includes the symptoms of the disease; how it may be diagnosed and its possible consequences if untreated; how the disease is transmitted; how it may be prevented; and the relative risk of contracting the disease for students of higher education. The information also discusses the availability and effectiveness of vaccination against treatment for the disease and sources of additional information. Students are requested to confirm their receipt of this information.

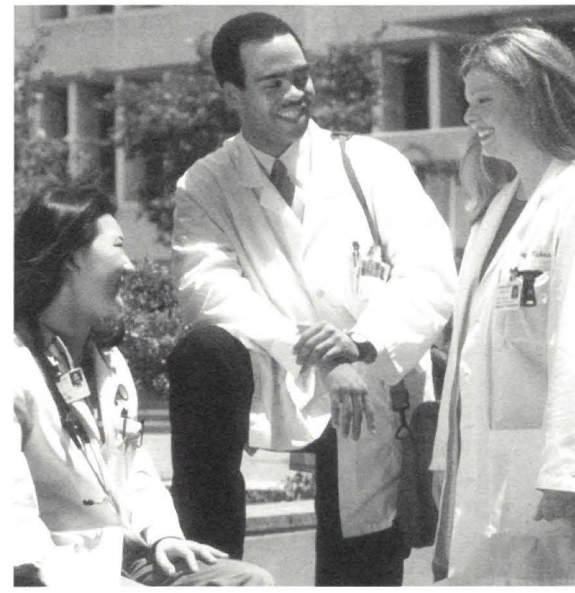
ACADEMIC COLLEGES AT UT SOOUTHWESTERN

An Academic College at UT Southwestern is a learning community that brings together gifted faculty with small groups of students. Each of the six colleges has a college master and six or seven mentors, chosen for their dedication to patients and distinguished teaching skills. All students are assigned, on a random basis, to a mentor on their first day of medical school and remain in that college for all four years.

Academic colleges create an informal environment where mentors and students share the experience of being a physician. Weekly meetings are held throughout the first two years. Topics assigned for weekly meetings are coordinated with topics discussed in the basic science curriculum. In addition, mentors instruct students on clinical topics, such as history taking, physical examination, diagnosis, ethics and professionalism.

TRANSFERS FROM OTHER MEDICAL SCHOOLS

If positions are available, transfer is permitted for students in good standing at a medical school accredited by the Liaison Committee on Medical Education. Transfer is most easily accommodated at the beginning of the third year. Transfer into



the fourth year is not possible. Typically, the availability of positions in the third year will be known in the late spring of the second year, whereas positions in the second year are not known until midsummer of the first year.

Applications and information can be obtained from the Admissions Office. Applications for transfer will be considered by the Admissions Committee of the medical school. Special consideration is given to spouses of medical students, of full-time faculty or of house staff in training at Parkland Memorial Hospital or Children's Medical Center Dallas, or to M.D./Ph.D. candidates whose research mentor relocates to UT Southwestern.

ADVANCED STANDING

UT Southwestern does not have an advanced standing program. Admission can be granted only through the usual process to the first-year class. Upon admission, a student is permitted to petition individual departments if exemption from that course is desired. There is no formal process for this, and decisions are totally at the discretion of each department.

INTERNATIONAL APPLICANTS

In addition to meeting the general requirements for admission described above, all applicants whose native language is not English are required to take the Test of English as a Foreign Language. A minimum score of 600 is recommended.

Test scores must be sent directly from the TOEFL Information Center to the Office of the Registrar, UT Southwestern. (Photocopies will be used for review only and are not accepted as official.)

TOEFL is computer-based. The test is offered at Sylvan Technology Centers, at specified universities and Educational Testing Service field offices.

Transcripts of records from foreign universities must be evaluated with subject, grade and grade-point average breakdowns. It is preferred that the applicant provide the transcript(s) with this information translated into English to facilitate review. Translation service is available from Education Credential Evaluators for a fee. For applications and fee information, contact ECE, P.O. Box 514070, Milwaukee, WI 53202-3470, 414-289-3400, or visit the Web site at www. ece.org. ECE evaluations should be sent directly to the Office of the Registrar. ECE requires at least one month to prepare an evaluation after all documentation is complete.

Before the Office of International Affairs at UT Southwestern Medical Center can issue a Certificate of Eligibility for Nonimmigrant F-1 Student Status (U.S. Department of Homeland Security, Citizenship and Immigration Services, Form I-20AB), evidence of financial support while in the United States must be demonstrated. The minimum amount of financial support for 2008-2009 was $16,000 plus the costs of tuition and fees. This amount is subject to change each year. In addition, $2,000 per dependent is required as proof of financial support. There are two ways to demonstrate proof of financial support: 1) If the student is awarded a stipend, a letter from the dean indicating the amount of the stipend is sufficient; or 2) In the case of those students who will receive partial or no funding from UT Southwestern, a financial statement must be provided guaranteeing adequate funds as stated above for educational, living and other expenses while in the United States. Form I-20AB must be presented to U.S. consular officials when applying for a visa. It is the responsibility of the nonregistered alien to inform the medical center's Office of International Affairs accurately of his or her visa status and to advise that office of any changes. Further information may be obtained by writing to the Office of International Affairs.

MEDICAL INSURANCE REQUIREMENTS

All UT Southwestern Medical Center students are required to have medical insurance. Some students who will be employees of UT Southwestern on at least a half-time basis will receive coverage under the UT System Employee Health Plan. Other students may purchase medical insurance available through the UT System or provide proof of coverage by medical insurance obtained through other sources. International students holding nonimmigrant visas may require supplemental coverage (typically evacuation and repatriation insurance) to meet the minimum require-

ments. Information on the UT System Student Medical Insurance Plan is available from the Office of Student and Alumni Affairs.

TUITION AND FEES

All fees are subject to change without prior publication and become effective when enacted. The Texas Legislature does not set the specific amount for any particular student fee. The following student fees are authorized by the state statute; however, the specific fee amounts and the determination to increase fees are made by the university administration and The University of Texas System Board of Regents.

TUITION

Tuition for the 2008-2009 academic year for medical students who are Texas residents is $6,550 annually. Tuition for nonresidents is three times the resident tuition rate. Texas statutes also provide that a nonresident student is permitted to pay the same tuition and fees as a Texas resident if the student holds a competitive scholarship worth at least $1,000 per year.

Students in doubt about their residency status for tuition purposes should consult the Residency Defined section in this chapter.

DESIGNATED TUITION

The designated tuition fee is $150 per semester hour. For this calculation, medical students arte determined to be taking the equivalent of 37 semester hours for a total designated tuition charge of $5,550 per academic year.

TUITION INSTALLMENT PAYMENTS

Students may elect to pay tuition and certain fees in installment payments (not applicable to the summer term). At the time of registration, students wishing to participate in the installment payment option will be required to sign a promissory note and a truth-in-lending form. These documents will specify the terms and conditions of the payment plan. Students will incur a $15 charge when participating in the plan. A $10 late fee will be charged for each payment not received by the due date.

The Office of Accounting will mail notices as reminders of payment due dates; however, students are obligated to pay on or before the due date regardless of the receipt of a reminder. A student who fails to provide full payment of tuition and fees, including late fees assessed, to the university when the payments are due is subject to one or more of the following actions at the university's option: 1) bar against admission at the institution; 2) withholding of grades, degree and official transcript; or 3) all penalties and actions authorized by law.

COMPUTER USAGE AND TECHNOLOGY FEES

UT Southwestern provides student computer resources in multiple locations. All medical students pay a computer usage fee of $235 per term. Students should refer to the Schedule of Fees of the specific academic year for detailed information.

GRADUATION FEE

Graduation fees of $110, payable at registration for the final semester, are required of all medical students who will receive a degree. Students who withdraw before graduation are entitled to a refund. No refund can be given for students who graduate in absentia.

HEALTH INSURANCE

With each term registration, all students are required to present documentation of a current health insurance plan. Information regarding the UT System-approved plan is included with registration materials. Students may purchase this plan directly from the vendor or provide documentation of alternate coverage. International students should consult the international affairs coordinator for more information regarding the requirements for international students.

INCIDENTAL FEES

Lost identification cards may be replaced for $5, lost mailbox or labcarrel keys for $6.

The Library recovers the cost of some services, such as black and white photocopying and laser printing at 10 cents per page and color laser printing at $1 per page. Charges for other cost-

recovery-based services vary. Theses and other manuscripts can be archived for $13 per volume. Dissertations can be published and archived for $81 per volume with an optional copyright fee of $45. Lost books are charged at replacement cost plus a nonrefundable $15 processing fee. There is no charge for literature searching or routine processing of interlibrary loan requests made by students; however, there is a fee for expedited interlibrary loan delivery.

LABORATORY FEE

Medical students are required to pay the following laboratory fees: first year, $35; second year, $32; third and fourth years each, $26.

LATE REGISTRATION FEE

A late registration fee of $200 is assessed to any student who has not registered on or before the first day of classes for the term.

MALPRACTICE INSURANCE FEE

All medical students are required to pay a malpractice insurance fee. The present charge for this coverage is $25 per year and is nonrefundable.

MEDICAL SERVICES FEE

Students enrolled in the first-, second- and third-year curricula pay a medical services fee of $225 per academic year. Students enrolled in the fourth year curriculum pay a medical services fee of $150. The medical services fee provides necessary supplementation for Student Health Services.

RETURNED CHECK FEE

A fee of $15 will be charged on any check cashed by and returned to the university. If two or more checks are returned, check-cashing privileges will be suspended for one year.

STUDENT SERVICES FEE

Students enrolled in first-, second- and third-year curricula pay a student services fee of $750 per academic year. Students enrolled in the fourth-year curriculum pay a student services fee of $500 for the academic year. The student services fee is used to support Student Health Services, the Bryan Williams, M.D. Student Center and other student services.

OTHER EXPENSES

BOOKS AND EQUIPMENT

The cost of books and equipment essential for a medical student are estimated below. A student should take this information into account in planning for financial support. Approximate costs are as follows:

First year	$3,200, computer; $2,070 books and supplies
Second year	$1,900 books and supplies
Third year	$1,030 books and supplies
Fourth year	$730 books and supplies

First- and second-year students must have a computer sufficient to utilize the computer-based curriculum. The cost for the computer is included in the books and equipment itemization listed above. Technical specifications are provided to each entering class.

CAMPUS PARKING

Limited parking facilities are available on campus. Any student wishing to park on campus is required to obtain a permit and pay an annual parking and car registration fee. The fee was $80 for 2007-2008. Student parking is restricted to designated areas, and violations of the parking regulations may result in fines and/or loss of parking privileges.

Special parking is available to people with a permanent disability. Those who permanently require wheelchairs, crutches or leg braces should advise the Office of Parking Services. Every effort will be made to provide special parking for those whose need for crutches or wheelchairs is temporary; those individuals should take a physician's statement with a time estimate to the Office of Parking Services.

Anyone wishing to file a complaint or needing assistance about a parking assignment may contact the Office of Equal Opportunity.

DISABILITY INSURANCE

Information on disability insurance is available through the Office of Student and Alumni Affairs.

MICROSCOPES

Rental microscopes are available for all first- and

second-year students at an annual charge of $145. Students may choose to provide their own microscopes; if so, individual microscopes must meet the specifications set forth by the Department of Cell Biology.

STUDENT HOUSING

In 1999 UT Southwestern acquired 50 acres adjacent to the North Campus, some of it set aside for student housing. It consists of 284 one- and two-bedroom apartments for full-time medical, graduate and health professions students. All apartments are within a 24-hour security-controlled area. Apartment amenities include all appliances and full-size washer and dryer. Park-like surroundings include a large pool and gazebo, clubhouse, work-out facility and study center. One-bedroom apartments were available in 2008 for $740-$775 per month; two-bedrooms for $1,110-$1,140 per month.

The neighborhoods along nearby Oak Lawn Avenue, Cedar Springs Road and Lemmon Avenue also offer plentiful housing options, but outlying areas may provide less expensive rentals.

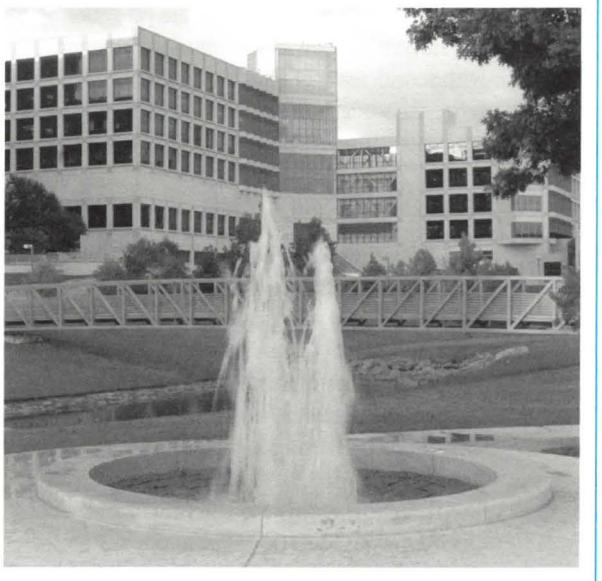
REFUNDS

All policies regarding the payment or refunding of tuition, fees and charges are approved by the Board of Regents of The University of Texas System and comply with applicable state statutes. If a person desires clarification of any matter relating to payment or refund of such charges, he or she should contact the office or administrative unit from which the charge or refund originated.

A student who officially withdraws from school is entitled to a refund according to the schedule below:

Prior to the first class day	100%
The first five class days	80%
The second five class days	70%
The third five class days	50%
The fourth five class days	25%
No refunds thereafter.	

No refund will be made until the expiration of 12 days after the beginning of classes. A check covering all refunds due will be mailed to the address left with the Office of Accounting. No refund will be granted unless applied for within one year after official withdrawal.



A matriculation fee of $15 will be deducted from the refund to students who withdraw before the first class day.

RETURN OF TITLE IV FUNDS

A student attending UT Southwestern Medical Center who has received student financial aid and who officially withdraws, takes an approved leave of absence or is dismissed may be liable to return all or a portion of any aid received if the student's separation (withdrawal, leave or dismissal) occurs after a term has begun and before completion of the academic term. The Office of Student Financial Aid will utilize approved federal formulas to determine the amount of applicable financial aid as of the separation date. Financial aid funds that must be returned by the separating student will be designated to the appropriate financial aid program in accordance with federal regulations.

A student's separation date is the date the student begins the withdrawal process or officially notifies UT Southwestern of an intent to withdraw; or the student's last date of attendance at a documented, academically related activity.

If UT Southwestern is required to return any

funds to one or more financial aid programs on the student's behalf as a result of the student's withdrawal, leave of absence or dismissal within a term, the student will be billed accordingly for all amounts returned on the student's behalf.

STUDENT FINANCIAL AID

UT Southwestern Medical Center makes student financial assistance available through a number of loan, scholarship and employment programs. Most of these programs (unless otherwise noted) are administered by the Office of Student Financial Aid, operating under policies established by the various agencies providing the funds.

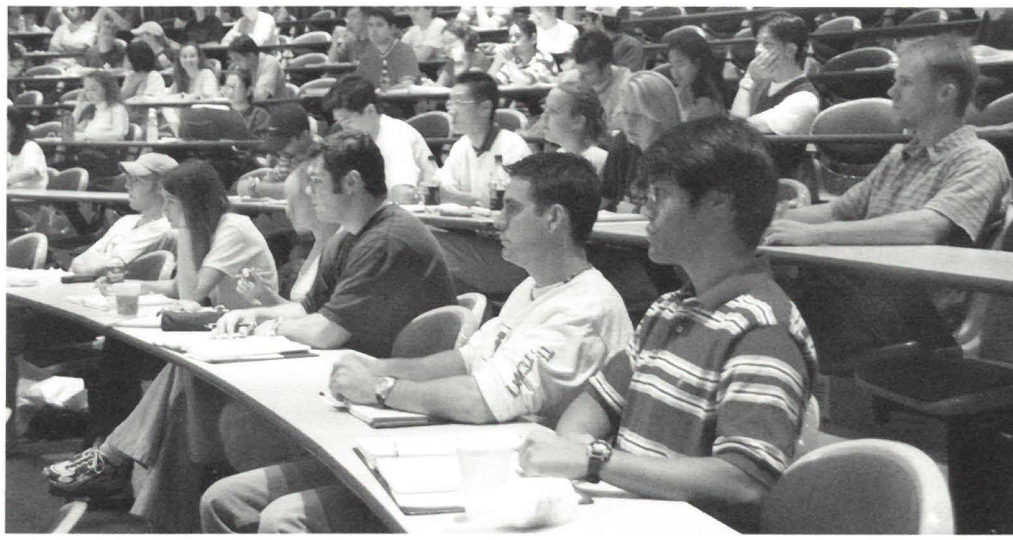
UT Southwestern subscribes to the philosophy that financing education is primarily the responsibility of the student and the student's family; however, UT Southwestern seeks, within its means, to assist financially the qualified student whose family resources are insufficient to meet the full costs of education. No student should allow the pressures of financial constraint to cause a postponement of educational plans without first consulting with the Office of Student Financial Aid. The office can provide the necessary applications, forms and advice concerning the rules and regulations of federal, state and institutional financial-aid programs available to students. Additionally, the office can provide counseling in debt management and can assist students in finding outside sources of aid for which they may qualify. Students are under significant pressure while preparing for classes or clinical rotations, and the Office of Student Financial Aid will attempt to alleviate additional financial burdens.

In order to be eligible for financial assistance, the student must first determine financial need by filing the Free Application for Federal Student Aid for the specific academic year. The FAFSA generally is available beginning Jan. 2 preceding the start of the academic year. For faster processing, the FAFSA is available at the Web site www.fafsa.ed.gov and accessible as a link from the UT Southwestern Student Financial Aid Web site. The FAFSA is also available in the traditional paper format from the Office of Student Financial Aid. Financial need is defined as the difference between the reasonable cost of education and the

PROGRAM TYPE	PROGRAM SOURCE	PROGRAM NAME
Employment	Federal	Federal Work Study Program (FWS)
Employment	State	Texas College Work Study Program (TCWS)
Grant/Scholarship	Federal	Armed Forces Health Professions Scholarship*
Grant/Scholarship	Federal	Disadvantaged Health Professions Scholarship (FADHPS)*
Grant/Scholarship	Federal	Exceptional Financial Need Scholarship (EFN)*
Grant/Scholarship	Federal	Scholarship for Disadvantaged Students
Grant/Scholarship	Institution	Alumni Student Scholarship Fund
Grant/Scholarship	Institution	Anding Foundation Scholarship Fund
Grant/Scholarship	Institution	Laurence E. Baker Scholarship Fund
Grant/Scholarship	Institution	Belkin Scholarship
Grant/Scholarship	Institution	Frances Evans Chubb Scholarship Award
Grant/Scholarship	Institution	Lillian B. Clark Fund
Grant/Scholarship	Institution	General Scholarship Fund
Grant/Scholarship	Institution	David L. Hemsell Scholarship
Grant/Scholarship	Institution	Dorothy Lee Medical Scholarship Endowment
Grant/Scholarship	Institution	George Longshie Scholarship
Grant/Scholarship	Institution	Dr. T. Stafford Love Sr. Memorial Scholarship
Grant/Scholarship	Institution	Matthew Hill Metz Scholarship
Grant/Scholarship	Institution	Medical Center Woman's Club Scholarship Endowed Fund
Grant/Scholarship	Institution	Joe T. Nelson Memorial Scholarship Fund

PROGRAM TYPE	PROGRAM SOURCE	PROGRAM NAME
Grant/Scholarship	Institution	L. Ormsby Medical Scholarship Endowment Fund
Grant/Scholarship	Institution	Seymour and Hemphill Scholarship Fund
Grant/Scholarship	Institution	Richard Mays Smith Scholarship
Grant/Scholarship	Institution	Stembridge Scholarship for Excellence in Pathology
Grant/Scholarship	Institution	Sjoerd Steunebrink Scholarship Endowment
Grant/Scholarship	Institution	Student Deposit Endowment Scholarship
Grant/Scholarship	Institution	Student Deposit Scholarship
Grant/Scholarship	Institution	Texas Needy Student Scholarship
Grant/Scholarship	Institution	Texas Public Education Grant (TPEG)
Grant/Scholarship	Institution	Trademark Royalties Scholarship
Grant/Scholarship	Institution	Dr. and Mrs. John C. Vanatta Scholarship
Grant/Scholarship	Institution	Jeffrey M. Waltner, M.D., and James D. Waltner, M.D., Scholarship
Grant/Scholarship	Institution	Bryan Williams Alumni Scholarship
Grant/Scholarship	Institution	Melba Williams Scholarship
Grant/Scholarship	Institution	Iona K. Young Scholarship
Grant/Scholarship	Private	Robert Erik Boehning Scholarship
Grant/Scholarship	Private	Minnie Lee Maffett Scholarship
Grant/Scholarship	Private	National Medical Fellowship Scholarships
Grant/Scholarship	Private	Jay Simmons Scholarship
Grant/Scholarship	Private	Dr. Walter N. Skinner Scholarship
Grant/Scholarship	Private	Southwestern Medical Foundation Competitive and Needs-Based Scholarships
Grant/Scholarship	Private	Dr. Bryan Williams Foundation Scholarship
Loan	Federal	Federal Perkins Loan
Loan	Federal	Federal Stafford Loan (FSL)
Loan	Federal	Loans for Disadvantaged Students (LDS)
Loan	Federal	Primary Care Loan (PCL)*
Loan	State	College Access Loan
Loan	State	Health Education Loan Program (HELP)
Loan	Institution	AMA Educational Research Foundation Student Loan
Loan	Institution	Class of 1956 Hal Boone Student Loan
Loan	Institution	Class of 1995 Student Loan Fund
Loan	Institution	Max Glazer Student Loan
Loan	Institution	Tinsley Harrison Student Loan
Loan	Institution	W. Lee Hart Student Loan
Loan	Institution	Luella Kemper Scholarship Loan
Loan	Institution	Montgomery Student Loan
Loan	Institution	Ella Kate & Wallace Ralston Medical Student Loan
Loan	Institution	Student American Medical Association Student Loan
Loan	Institution	Student Loan Fund of Southwestern Medical School
Loan	Institution	SWMS Alumni Association Student Aid Fund
Loan	Institution	Iona K. Young Student Loan
Loan	Private	Minnie Stevens Piper Foundation Student Loan
Loan	Private	Texas Medical Association Student Loan Funds

* Service commitment as a condition of receipt.



amount that the student and the student's family can reasonably be expected to provide.

Financial-aid awards usually are assigned for the full academic year. All awards are subject to revision if, at any time, the information used as a basis for making the original award changes.

Packets of application materials may be obtained from the Office of Student Financial Aid. Awards are made on a first-come, first-served basis. Application materials should be submitted as far in advance of enrollment as possible in order to be assured full consideration.

Students are eligible to receive financial aid throughout their education provided they continue to demonstrate financial need and are making satisfactory academic progress in their program of study. The continued receipt of financial aid is not automatic, however, and requires annual reapplication. Students should request a copy of the Satisfactory Academic Standards statement from the Office of Student Financial Aid. A student who wishes to reapply for financial assistance each year must submit the FAFSA in order to determine financial need as well as reasonable academic progress toward the degree program. Continuing UT Southwestern students may access their Renewal FAFSA at www.fafsa.ed.gov. This secured site is maintained by the U.S. Department of Education.

Students subject to selective service registration under federal law must file a statement that the student has either registered or is exempt from registration before the student is eligible to receive financial assistance. This statement is included in the student's financial aid award notification.

TYPES OF ASSISTANCE

Student financial aid comprises three general categories: loans, grants or scholarships, and employment. The aid may be received from various sources: federal programs, state programs, private foundations and corporations, individual contributors, and institutional programs. The table on the previous two pages lists many of the available programs by the program source. Detailed information regarding the aid programs is available from the Office of Student Financial Aid.

SCHOLARSHIPS, FELLOWSHIPS AND SPECIAL FUNDS

Information on availability of these funds can be obtained from the Office of Student Financial Aid. Southwestern Medical Foundation has an active scholarship program to help deserving young men and women obtain their medical education. Student aid is available from scholarship memorial funds maintained by the foundation.

UT Southwestern awards scholarships and

fellowships to students based upon a broad range of criteria that include financial need, academic performance, current and prior research, career interests, community service, significant contributions to social and academic concerns, race, and ethnicity.

UT Southwestern will honor other expressed wishes of donors in awarding scholarships, including such considerations are career interests, residency status and year in school. Scholarships may be awarded on the basis of financial need or academic performance. There are instances when a combination of financial need and academic performance is used to select the recipient.

Scholarships awarded on the basis of financial need rely on the methodology developed by the U.S. Department of Education. This is the same methodology used to determine eligibility for other financial aid. Scholarships awarded on the basis of academic performance rely on the assessment of a student's record in comparison to peers. Factors considered in the awarding of various competitive scholarships and fellowships include:

1) Academic performance as reflected in the grade-point average;
2) Performance on standardized tests (MCAT or GRE);
3) Recommendations from professors or mentors;
4) Scientific research activities;
5) Involvement in community and extracurricular activities;
6) Demonstrated leadership and personal integrity.

The Student Scholarship Committee is charged with determining the validity and appropriateness of criteria and making selections when criteria do not automatically identify the recipient.

LOANS

Loans are financial obligations that must be repaid. Interest and repayment terms vary among the different programs, and UT Southwestern follows a policy of offering the student the most favorable loan for which he or she qualifies if funds are available in the program. All financial-aid programs administered by UT Southwestern are subject to the conditions, limitations and requirements prescribed by the agency sponsoring the program.

UNSUBSIDIZED FEDERAL STAFFORD LOANS are available to students who do not qualify for a subsidized Federal Stafford Loan. The amount of the UFSL will be based on a student's total aid budget minus any other aid that has been awarded. Unsubsidized loans accrue interest from the time the loan check is disbursed. Principal and interest payments may be postponed until completion of a program of study or until the student ceases to be enrolled on at least a half-time basis.

EMERGENCY LOANS are available to students with short-term, unforeseen emergency expenses. These loans typically are interest-free if repaid by the due date. The maximum period a loan can be outstanding is six months.

TUITION EXEMPTIONS

Texas residents who are included among the following categories may be eligible for exemption from tuition and specific fees:

1) Honorably discharged veterans of military service who were residents of Texas at the time of their entry into military service;
2) Dependent children of armed forces, Texas National Guard or Texas Air National Guard personnel who were killed in action, died while in service, were missing in action or whose deaths were directly connected with military service;
3) Children of firefighters or peace officers who were disabled or killed in the line of duty;
4) Students raised in foster care or other residential care under the Department of Family and Protective Services.

Contact the Office of the Registrar for more information regarding the eligibility requirements and benefits available.

PAYMENT OF FEES FOR STUDENTS WITH DISABILITIES

The Department of Assistive and Rehabilitative Services offers assistance for tuition and nonrefundable fees to students with disabilities classified as Texas residents, provided their vocational objectives have been approved by a DARS counselor. Other services also are available to assist students with disabilities in becoming em-

ployable. Students should call the DARS regional office in Arlington, Texas, at 817-467-8400 for more information.

OUTSIDE WORK

It is not expected that any medical student would have sufficient time to maintain outside employment due to the demands of the medical school curriculum. Students are strongly discouraged from depending on current earnings while they are in medical school.

ACADEMIC POLICIES

APPROPRIATE TREATMENT OF STUDENTS

The teacher-learner relationship must be based on a foundation of mutual respect. Respect, in this context, is reflected in honesty, professionalism and the prudent handling of the teacher's power over the student. Moreover, the teacher-learner relationship is defined and limited by the educational mission and learning objectives of the school. A teacher may be a faculty member, a resident, an intern, hospital staff or a fellow student.

Students who believe they have been mistreated must have access to a process for registering a grievance that is fair and minimizes the possibility of retaliation. Some grievances may be resolved informally, while others may require a more formal process. The UT Southwestern Sexual Harassment and Sexual Misconduct Policy and the Nondiscrimination Policy apply to student allegations of sexual harassment and discrimination. Students asserting complaints of sexual harassment and discrimination should contact the UT Southwestern Office of Equal Opportunity and Minority Affairs. Students asserting other grievances of mistreatment should follow the procedure detailed in the Appropriate Treatment in Medicine policy, available in the Student Affairs Office.

GRADES

All courses in the first three years are graded using a traditional letter-grade system. A grade of ***C*** or better is required to pass a course. Courses taken during the fourth year are graded on a pass/fail system. Grades are reported to the registrar as each course ends and are available to students immediately.

From the grades reported each year, a weighted grade average is calculated for each student. At the end of the first and second years, class standing is determined only to award scholarships that require the use of such information. Once awards have been made, the information is not retained. Class rank is not available during the first two years. At the end of the third year, a weighted grade average is calculated both for cumulative academic performance at Southwestern and for performance in the third year (the first clinical year) only. This information is available for use in the residency application process. The class rank is never recorded on the permanent record (transcript).

ACADEMIC COUNSELING

Student performance is a concern of students, faculty and administrators. All work collaboratively to provide each student with the opportunity to perform at his or her highest potential. Academic counseling services are available to all students.

Students experiencing academic difficulty are assisted primarily by the department in which the difficulty is occurring. Course directors make contact with students when warranted by academic performance. Course directors use a variety of resources with students experiencing difficulties, including faculty tutors, teaching assistants and/or resources outside their department, such as the learning specialist in the Office of Medical Education. Additionally, students are responsible for seeking assistance when necessary.

The associate deans for student affairs are always available to students, course directors, faculty or the learning specialist for complex issues affecting a student's performance. If the situation warrants, this may lead to referral to a variety of resources including faculty, the Office of Medical Education's learning specialist or Student Mental Health Services. All students who fail a course are seen by one of the associate deans for student affairs to investigate any problems, as

well as to inform them about the promotion process and their options.

CAREER COUNSELING

All students have access to various specialty interest groups and faculty advisers to explore their interests throughout the four years. At the end of the second year, medical students have the option of attending a workshop that provides a technique and resources for exploring and evaluating career options. Students also may discuss options with either of the associate deans for student affairs. Once senior students have selected a specialty, they are referred to that department for further counseling. All clinical departments assign a faculty member who is responsible for matching interested students with advisers from that department.

GRADE GRIEVANCE PROCEDURE

In attempting to resolve any student grievance regarding grades or evaluations, it is first the obligation of the student to make a good-faith effort to resolve the matter with the faculty member involved. Further appeals should be directed to the course director and, if necessary, to the department chair. Primary responsibility for assigning grades and making evaluations rests with the course director acting for the chair of the relevant academic department.

Appeals within the department must be filed within 30 days of the distribution of final course grades. The judgment of the academic department is final unless compelling evidence suggests discrimination, differential treatment or mistake.

Subsequent appeal to the dean must be submitted in writing with supporting evidence within 10 business days of the notification of the decision by the department chair. The determination of the dean is final.

INCOMPLETE COURSE WORK

Subject to the approval of the associate deans for student affairs, a student may receive an ***I*** for a course not completed if the instructor so recommends. The incomplete work must be completed within an interval of time prescribed in each instance by the course director and/or the Student Promotions Committee. If course work is not satisfactorily completed within the time prescribed, a failing grade will be recorded.

COURSE WITHDRAWAL

Extraordinary circumstances may necessitate that a student withdraw from a course. In these instances, subject to the approval of the associate deans for student affairs, a grade of ***W*** will be assigned.

PROMOTION, PROBATION AND DISMISSAL

When a student completes the course requirements of an academic session satisfactorily, he or she is promoted to the next year's class provided there are no reasons that make the procedure unwise.

When an academic deficiency (a grade of ***D*** or ***F***) is incurred, the student is referred to the Student Promotions Committee, which is composed of representatives from each teaching department of the medical school. Its function is to review all important aspects of each student case referred to it and to make appropriate recommendations to the dean.

The Student Promotions Committee, working within established guidelines, will determine a remediation plan, which may include repeating the year's work or the specific courses in which deficiencies exist or removal of the deficiency by whatever means the committee may propose. Serious or multiple deficiencies may result in dismissal.

When the student is allowed to repeat the work of a year or any part thereof, he or she will be required to achieve the grade level that the Student Promotions Committee stipulates. The student will function under academic probation during the time this work is being repeated. Further academic failure will prompt immediate reconsideration by the Student Promotions Committee. The Student Promotions Committee and the academic departments concerned may require the student to retake courses previously completed with a passing grade.

In situations where a student satisfactorily completes courses previously taken, the transcript

will record both grades. If the course was completed with a passing grade on both attempts, the final grade will be the average of the two recorded grades. If the grade from the first attempt was a ***D*** or ***F*** and the course was completed with a passing grade on the second attempt, the final grade will be a ***C*** (regardless of what grade was earned on the second attempt) and will count for 1.0 grade point (out of 4.0) for purposes of grade-average calculation.

APPEALING ACADEMIC DECISIONS

A student may appeal any academic action of the Student Promotions Committee by forwarding a written appeal to its chair requesting reconsideration. The appeal must be received by the Student Promotions Committee chair within 10 business days of the student's receipt of the notification of the Student Promotions Committee action.

The chair will review the written appeal and determine if the Student Promotions Committee has the discretion upon reconsideration to impose a lesser remedial action. If it is determined that the Student Promotions Committee can reconsider its previous decision, the Student Promotions Committee will review the written appeal and may meet with the student to discuss the student's grounds for appeal. To the extent schedules allow, the Student Promotions Committee will forward a written response to the student within 10 business days after receiving the appeal. If the student is not satisfied with the Student Promotions Committee's decision, the student may appeal to the dean by forwarding a written appeal to the dean within 10 business days after receipt of the Student Promotions Committee's decision.

If the Student Promotions Committee's chair determines that the Student Promotions Committee has no discretion to, or decides not to, impose a lesser remedial action, the chair shall refer the appeal to the dean for determination.

With either an appeal of the Student Promotions Committee's reconsidered decision or an appeal referred to the dean by the Student Promotions Committee's chair, the dean shall have the discretion either to determine the appeal personally or to appoint an ad hoc committee to consider the appeal and to make a recommendation to the dean concerning the appeal's determination. In instances where the dean will consider the appeal, the dean will review the written appeal and may meet with the student to discuss the student's grounds for appeal. To the extent schedules allow, the dean will forward a written response to the student within 10 business days after receiving the appeal. In instances where the dean appoints an ad hoc committee, the committee will review the written appeal and may meet with the student to discuss the student's grounds for appeal. To the extent schedules allow, the ad hoc committee will forward a written recommendation to the dean within 10 business days after receiving the appeal. The dean will consider the ad hoc committee's written recommendation, either adopting, rejecting or modifying the ad hoc committee's recommendation and, to the extent schedules allow, forward a written response to the student within 10 business days after receiving the committee's recommendation.

In either case, the decision of the dean is final.

POLICY AGAINST DISCRIMINATION

To the extent provided by applicable law, no person shall be excluded from participation in, denied the benefits of or be subject to discrimina-

tion under any program or activity sponsored or conducted by The University of Texas System or any of its component institutions on the basis of race, color, national origin, religion, sex, age, veteran status or disability.

To ensure fair treatment of individual cases where discrimination is alleged and to maintain the integrity of the institution's academic system, grievances alleging discrimination should be resolved through use of the institution's internal procedures. Any grievances alleging discrimination should be resolved as promptly as possible. Students are encouraged to use this procedure, and they will not be penalized in any way for filing complaints involving discrimination with the institution. To the extent possible, the student's confidentiality will be protected.

The student who feels discriminated against should seek resolution of the grievance through an appointment with the appropriate department chair or an associate dean for student affairs. The resources of the Office of Equal Opportunity and Minority Affairs also are available to the student. If the student cannot resolve the grievance through these routes, the student should appeal to the dean of the medical school within 10 calendar days after meeting with the appropriate department chair or associate dean. The dean will meet with the student and within five calendar days of this meeting will elect to 1) call for the appropriate faculty committee to investigate the grievance and make recommendations concerning the matter, 2) choose to investigate the matter personally, or 3) refer the matter to the Office of Equal Opportunity and Minority Affairs for investigation. An investigation by a faculty committee or dean must be completed within 30 calendar days. An investigation conducted by the Office of Equal Opportunity and Minority Affairs will follow the timetables adopted by the Office of Equal Opportunity and Minority Affairs. If the decision rendered by the dean is unsatisfactory to the student, the student may appeal to the president, who will render the final decision.

DISMISSAL AND WITHDRAWAL

The medical school (through action by the Student Promotions Committee and with the approval of the dean) may find it necessary to dismiss a student who has failed to maintain satisfactory scholastic performance, acceptable conduct or ethical standards. Extenuating circumstances may be considered in determining whether a student is advanced to a higher class, asked to repeat scholastic work or dismissed from school.

Any medical student wishing to withdraw from school should so notify an associate dean for student affairs in writing and follow prescribed procedures provided at that time.

LEAVE OF ABSENCE

A leave of absence not to exceed one year may be granted to a student upon request as long as the student is in good academic standing. Requests for a leave of absence are made to an associate dean for student affairs. A leave of absence for a student who has academic deficiencies requires the approval of the Student Promotions Committee.

STUDENT CONDUCT AND DISCIPLINE

Students at the university neither lose the rights nor escape the responsibilities of citizenship. All students are expected to obey and conduct themselves in accordance with the law, including all penal and civil statutes of the local, state and federal government, the *Rules and Regulations* of the UT System Board of Regents, and university regulations and administrative rules. Students may be disciplined by the university for violating these standards of conduct whether such conduct occurred on or off the campus or whether civil or criminal penalties also were imposed for such conduct.

Each student, by registering, is under the jurisdiction of the dean of UT Southwestern Medical School. The associate deans for student affairs have primary responsibility for student conduct and authority for the administration of student discipline.

In any disciplinary action resulting from infractions of school regulations, students are entitled to and will receive reasonable notice of the charges against them and will be afforded an opportunity for an impartial hearing in accord-

ance with the *Rules and Regulations*, Series 50101, of the UT System Board of Regents. A copy of the regents' *Rules and Regulations* is available in the Office of the Dean.

UT Southwestern has a professionalism policy that outlines standards of conduct for students, outlines how students and faculty are educated about these standards, and details the adjudication of violations of these standards. A copy of this policy is available from the Office of Student Affairs.

GENERAL GRIEVANCE PROCEDURE

Grievances related to matters other than academic matters, disciplinary action, student professionalism and discrimination must be initiated by discussing and making an effort to resolve the matter with the individual who took the disputed action. If the matter is not resolved, the grievance must be submitted in writing within five business days to the appropriate department chair. Grievances not satisfactorily resolved by the department chair may then be appealed to the dean within five business days. If the grievance is not satisfactorily resolved by the dean, it may be appealed within five business days to the president, who will render the final decision.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act, 20 U.S.C., Section 1232g, and the Texas Public Information Act, Texas Government Code, Section 552.001 et seq., are, respectively, a federal and state law that provide for the review and disclosure of student educational records. In accordance with these laws, the university has adopted the following policy. Individuals are informed of their rights under these laws through this policy, which is included in the university's official policies and catalogs. This catalog will be made available for inspection through the dean's office, and the official policies are available in most administrative offices.

The university will not permit access to or the release of personally identifiable information contained in student educational records to any party without the written consent of the student, except as authorized by FERPA. FERPA's authorizations for release without consent include the following: 1) to appropriate university officials who require access to educational records in order to perform their legitimate educational duties; 2) to officials of other schools in which the student seeks or intends to enroll, upon request of these officials and upon the condition that the student be notified and receive a copy of the record, if desired; 3) to federal, state or local officials or agencies authorized by law; 4) in connection with a student's application for, or receipt of, financial aid; 5) to accrediting organizations or organizations conducting educational studies, provided that these organizations do not release personally identifiable data and that they destroy such data when it is no longer needed for the purpose it was obtained; 6) to the parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954, provided a reasonable effort is made to notify the student in advance; 7) in compliance with a judicial order or subpoena, provided a reasonable effort is made to notify the student in advance unless such subpoena specifically directs the institution not to disclose the existence of a subpoena; 8) in an emergency situation if the information is necessary to protect the health or safety of the student or other people; or 9) to an alleged victim of any crime of violence or non-forcible sex offense, the results of the alleged perpetrator's disciplinary proceeding may be released.

The university will release information in student educational records to appropriate university officials as indicated in 1) above when such records are needed by administrators, faculty or staff in furtherance of the educational or business purposes of the student or university.

A record of requests for disclosure and such disclosure of personally identifiable information from student educational records will be maintained by the Office of the Registrar for each student and also will be made available for inspection pursuant to this policy. If the university discovers that a third party who has received students' records from the university has released or failed to destroy such records in violation of

this policy, it will prohibit that third party access to educational records for five years. Respective records no longer subject to audit nor presently under request for access may be purged according to regular schedules.

DIRECTORY INFORMATION

At its discretion, the university may release directory information, which shall include: 1) name, address, telephone number and e-mail address; 2) date and place of birth; 3) major field of study; 4) participation in officially recognized activities; 5) dates of attendance; 6) enrollment status; 7) most recent previous educational institution attended; 8) classification; 9) degrees and awards received; and 10) date of graduation.

Students have the right to withhold the disclosure of all directory information data through written notification to the Office of the Registrar. Students may designate their directory preferences at any time but are strongly encouraged to record their preference during registration. Changes will be effective within two working days after receipt of the request. The student's FERPA designation will remain in effect until suspended by a subsequent request even after the conclusion of the student's enrollment.

ACCESS TO FILE

Upon written request, the university shall provide a student with access to his or her educational records. The Office of the Registrar has been designated by the institution to coordinate the inspection and review procedures for student educational records, which include admissions files, academic files and financial files. Students wishing to review their educational records must make written requests to the registrar listing the item or items of interest. Educational records covered by FERPA will be made available within 45 days of the request.

A list of educational records and names of officials responsible for the records shall be maintained at the indicated office. This list includes: 1) academic records from the Office of the Registrar, registrar; 2) student services records from the Office of Student and Alumni Affairs, vice president for student and alumni affairs; and 3) financial records from the Business Office, executive vice president for business affairs, or the Office of Student Financial Aid, director of student financial aid.

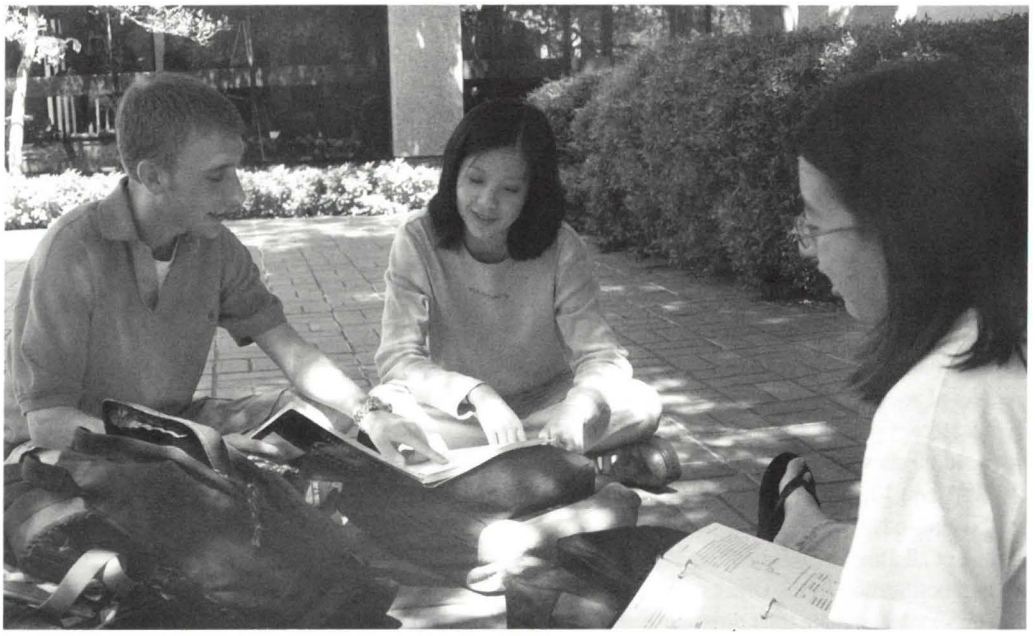
Educational records do not include: 1) financial records of the student's parents or guardians; 2) confidential letters of recommendation that were placed in the educational records of a student prior to Jan. 1, 1975; 3) records of instructional, administrative and educational personnel that are kept in the sole possession of the maker and are not accessible or revealed to any other individual except a temporary substitute for the maker; 4) records of law-enforcement units; 5) employment records related exclusively to an individual's employment capacity; 6) medical and psychological records; 7) thesis or research papers; or 8) records that contain only information about an individual after the individual is no longer a student at the institution.

CHALLENGE TO RECORD

Students may challenge the accuracy of their educational records. Students who believe that their educational records contain information that is inaccurate or misleading or is otherwise in violation of their privacy or other rights may discuss their problems informally with the dean. If agreement is reached with respect to the student's request, the appropriate records will be amended. If not, the student will be notified within a reasonable period of time that the records will not be amended, and he or she will be informed by the dean of the right to a hearing.

Student requests for a hearing must be made in writing to the dean. Within a reasonable period of time after receiving such requests, the dean will inform students of the date, place and time of the hearing. Students may present evidence relevant to the issues raised and may be assisted or represented at the hearings by one or more people of their choice, including attorneys, at the students' expense. The hearing officer who will adjudicate such challenges will be appointed by the dean.

Decisions of the hearing officer will be final, will be based solely on the evidence presented at the hearing, will consist of the written statements summarizing the evidence and stating the reasons



for the decisions, and will be delivered to all parties concerned.

The educational records will be corrected or amended in accordance with the decision of the hearing officer if the decision is in favor of the student. If the decision is unsatisfactory to the student, the student may place with the educational records statements commenting on the information in the records or statements setting forth any reasons for disagreeing with the decision of the hearing officer, or both. The statements will be placed in the educational records, maintained as part of the student's records and released whenever the records in question are disclosed.

Students who believe that the adjudications of their challenges were unfair or not in keeping with the provisions of FERPA may request, in writing, assistance from the president of the institution.

COPIES

Students may have copies of their educational records and this policy. Official copies of academic records or transcripts will not be released for students who have a delinquent financial obligation or financial "hold" at the university.

The Office of the Registrar does not charge for copies. There is no charge for transcripts. Students must make their requests in writing and allow at least 24 hours for compliance.

STUDENT WORKS

Copies of student theses and dissertations are required to be placed in the university library and in many departmental libraries. Once filed with campus libraries, these documents are subject to public access and review. Other student course works also may be subject to disclosure consistent with the requirements of FERPA.

COMPLAINTS

Complaints regarding alleged failures to comply with the provisions of FERPA may be submitted in writing to the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Ave. SW, Washington, DC 20202-5920.

ORGANIZATIONS

STUDENT ORGANIZATIONS

A number of organizations offer medical students opportunities for association with individuals of shared interests or backgrounds. These organiza-

tions and many other special-interest groups sponsor a variety of social functions for members and provide numerous services of value to the medical school and community. A list of organizations is available from the Bryan Williams, M.D. Student Center or on the UT Southwestern Web site at www.utsouthwestern.edu/utsw/home/educ/studctr/index.html.

ALPHA OMEGA ALPHA

The Gamma Chapter of Texas of Alpha Omega Alpha, a national medical honor society, was installed at the medical school in 1950. Selected students in the upper portions of the senior class are eligible for election to membership. Selection is based upon high academic standing, moral character and promise of future contributions to the field of medicine.

THE ALUMNI ASSOCIATION

The Alumni Association of The University of Texas Southwestern Medical School was organized April 27, 1953, at the Shamrock Hotel in Houston on the occasion of the 100th anniversary of the Texas Medical Association and the 10th anniversary of the medical school.

The objectives of the Alumni Association are the stimulation and maintenance of interest in the medical school.

THE HO DIN AWARD

On May 5, 1943, the trustees of Southwestern Medical Foundation authorized the establishment of an award to symbolize the fundamental concept on which the medical college was to be based. This award is the Ho Din, which signifies the spirit of human understanding and medical wisdom and is the highest honor bestowed upon a graduating medical student.

On request of the trustees of the foundation, the medical school faculty may recommend not more than two members of each graduating class who, in their opinion, most nearly exemplify the personal attributes that define the Ho Din. The award is based on the recognition of personal qualities embodied in all great physicians.

The Ho Din is accompanied by a cash award from the foundation in memory of Dr. Edward H. Cary, who was a primary force in establishing the medical school.

MISCELLANEOUS INFORMATION

AIDS, HIV AND HEPATITIS B VIRUS POLICY

UT Southwestern Medical Center recognizes AIDS, human immunodeficiency virus and hepatitis B virus as serious public-health threats and is committed to encouraging an informed and educated response to issues and questions concerning AIDS, HIV and HBV. In furtherance of its commitment, the university has a policy that provides guidance in complying with statutes concerning AIDS, HIV and HBV. This policy addresses administrative policies; residence life; health education; testing for HIV or HBV infection; confidentiality of information relating to people with AIDS or HIV or HBV infection; and patient care. It is applicable to students, faculty and employees of UT Southwestern Medical Center.

A complete copy of the *Acquired Immune Deficiency Syndrome, Human Immunodeficiency Virus Infection and Hepatitis B Virus Policy* is available in the dean's office of each school, school libraries and most UT Southwestern departments.

The UT System has published educational material about methods of transmission and prevention of HIV infection and about related state laws, which is available to every UT System employee and student. Copies of this material and the educational pamphlet on HIV infection developed by the state Department of Health are available through Student Health Services and will be made available to all students upon request by telephoning UT Southwestern at 214-648-3320.

CAMPUS SECURITY

In accordance with the federal Student Right-to-Know and Campus Security Act, the university prepares an annual security report containing information about campus security policies and campus crime statistics. This information is available to all current students and employees via the UT Southwestern Web site (www.utsouthwestern.edu/police). Applicants for enrollment or

employment may obtain a copy of the annual security report by writing to University Police, UT Southwestern Medical Center, 5323 Harry Hines Blvd., Dallas, TX 75390-9027.

To report a campus emergency, dial 911. To contact University Police for nonemergency matters, dial 214-648-8311.

HAZING

Hazing is prohibited by state law (Sections 37.151–157 and 51.936, *Texas Education Code*), by the regents' *Rules and Regulations*, Rule 50101, and by the *UT Southwestern Handbook of Operating Procedures*. The term "hazing" is defined broadly by statute to mean any intentional, knowing or reckless act occurring on or off the campus of an educational institution that endangers the mental or physical health or safety of a student for the purpose of pledging, being initiated into, affiliating with, holding office in, or maintaining membership in any organization whose members are, or primarily include, students at an educational institution. Hazing with or without the consent of the student is prohibited, and violators are subject to criminal prosecution and to student disciplinary action by the institution.

It is an offense not only to engage in hazing but also to encourage hazing, to recklessly permit hazing to occur, or to fail to report hazing that has occurred or is being planned. Any person reporting a specific incident involving a student to the dean or other appropriate official of the university is immune from civil or criminal liability that might otherwise be incurred or imposed as a result of the report.

INCLEMENT WEATHER POLICY

UT Southwestern will remain open regardless of weather conditions. Students must use their own judgment with regard to personal safety; however, student responsibilities are not obviated by weather conditions. If a student reasonably believes traveling in such weather would be hazardous, the student will be expected to make up missed classwork.

INFECTIOUS AND ENVIRONMENTAL HAZARDS POLICY

Contact with patients is an integral part of the medical education at UT Southwestern. Contact with patients may entail exposure to hazards. Such hazards include exposure to patients with contagious diseases that can be transmitted to students and other health care providers by way of airborne droplets or needle-puncture wounds involving infected body fluids. Examples of these diseases include tuberculosis, hepatitis B and AIDS.

Although the risk of contracting serious illness from these hazards is very small, UT Southwestern seeks to reduce incidents of students' exposure to infectious diseases and environmental hazards. For example, students are required to obtain the hepatitis B vaccine prior to enrollment and receive a skin test for tuberculosis intermittently during their enrollment. Students receive training in proper blood-drawing techniques and patient-isolation policies prior to the intense clinical exposure in the third and fourth years of medical school.

Students also receive a communication from Student Health Services outlining the proper course of action should a hazardous exposure occur. In addition, physicians are available to advise students and answer any questions through Student Health Services. The school reserves the right to restrict patient contact by a student believed to pose a risk to the health of patients.

Should a hazardous exposure occur, the medical school will cover the costs of initial testing and any medically indicated prophylactic treatment not covered by insurance. The individual student will be responsible for all remaining costs that may result from the hazardous exposure. Students are strongly urged to obtain their own comprehensive health insurance in case an unexpected illness or injury occurs. Information on disability insurance is available through the Office of the Registrar.

INSTITUTIONAL COMPLETION OR GRADUATION RATES

In accordance with the federal Student Right-to-Know and Campus Security Act, the university produces a report of the completion or

graduation rates of certificate- or degree-seeking, full-time students entering the university and distributes this report by campus mail. It is readily available to all students. Any prospective student may, upon request, obtain a copy of the graduation report prior to enrolling or entering into any financial obligation by writing to the Office of the Registrar, UT Southwestern Medical Center, 5323 Harry Hines Blvd., Dallas, TX 75390-9096.

INTELLECTUAL PROPERTY POLICY

The *Intellectual Property Policy* of the UT System covers inventions, discoveries, trade secrets, technology and computer software developed by students employed by the university or who use university facilities. The university handles all legal and business matters involving protection and commercialization of the intellectual property. After costs are deducted, income from intellectual property is split 50-50 between UT Southwestern and the responsible student or students.

Copies of the complete *Intellectual Property Policy* and disclosure forms can be obtained from the Office of the Vice President for Technology Development.

INTERNET GUIDELINES

These guidelines apply to all students communicating electronically on the university's Campus Wide Area Network and other Internet-based resources, regardless of the location on campus or remote servers.

1) The Internet may not be used for commercial purposes.
2) The Internet may not be used solely for personal purposes. (Personal use is acceptable only if such use is incidental to the performance of the user's responsibilities, i.e., student course work and any duties to the university.)
3) Each student must act professionally in every respect when creating or using university resources for electronic communication.

SMOKING RESTRICTIONS

Smoking on the campus of UT Southwestern Medical Center is restricted to a few specially designated areas. No smoking is allowed in any meeting room or classroom.

SOLICITATION POLICY

In accordance with regents' *Rules and Regulations*, Series 80103, solicitation by registered organizations is permitted only under certain circumstances. Strict guidelines are enforced, and interested people or organizations should contact the Office of Student and Alumni Affairs for approval. The medical center's campus facilities are not open for general public use.

STUDENT ABSENCES

Students who wish to be excused from classes or other required activities for any reason, including observance of religious holy days or military service, must file a written request with the course directors of all applicable courses to be excused. If the absence is approved by the course director, the student will not be penalized for that absence and will be allowed to take the examination or complete the assignment from which the student is excused within a reasonable time after the absence. During the first- and second-year curricula, lecture attendance may not be required, but is always recommended; however, absence from examinations, clinical responsibilties or other required activities is excused only with the approval of the course director.

STUDENT TRAVEL

Students who will travel more than 25 miles from the UT Southwestern campus to activities organized, sponsored and funded by the institution are subject to restrictions detailed in the UT Southwestern student travel policy. These restrictions include the required use of seat belts by all motor vehicle passengers, the prohibition of any alcohol or illegal substances, passenger limitations, licensing and training of all vehicle operators, proof of insurance and veicle inspection, and the legal operation of motor vehicles. Reimbursement for travel from UT Southwestern funds, including student organization funds, is subject to UT Southwestern policies and procedures pertaining to the documentation of reimbursable expenses. Copies of these policies are available

from the Office of Student and Alumni Affairs.

No registered student organization may require its members to travel at any time. Should a student organization sponsor optional travel for its members, all travel arrangements and related costs must be approved by the vice president for student and alumni affairs no less than 48 hours prior to departure.

TRANSPORTATION

Bicycles may be practical transportation for students living near the campus. Bicycles may be parked in designated spaces. Bicyclists not experienced at riding in traffic may want to consider some alternative forms of transportation.

Students living any great distance from campus may find a car necessary. A permit must be obtained to park on campus. Car pools are encouraged and are given preference in the event of limited parking.

The Dallas Area Rapid Transit System offers bus and light rail service from various locations throughout the Metroplex. Economical unlimited travel E-passes are available to UT Southwestern students, faculty and staff through the University Store. Schedules, maps and rate information may be obtained by writing to DART, Customer Assistance, P.O. Box 660163, Dallas, TX 75266-0163; by visiting their Web site at www.dart.org; or by calling 214-979-1111. DART administrative offices are located at 1401 Pacific Ave. in Dallas.

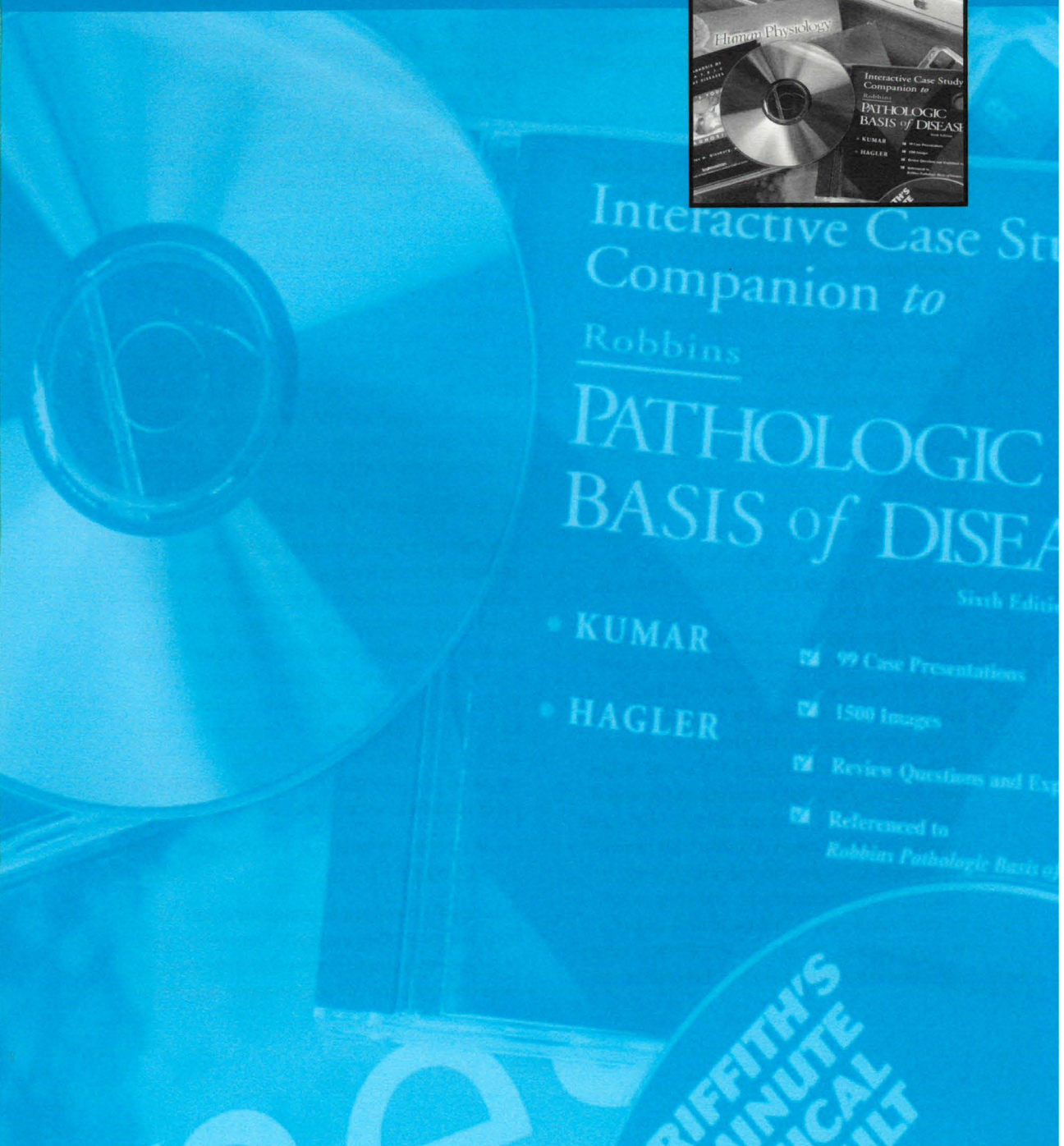
USE OF UNIVERSITY NAME

The university seal, logo and the names *UT Southwestern Medical Center, The University of Texas Southwestern Medical Center, Southwestern Medical Center* and *Southwestern Medical School* are registered trademarks of The University of Texas System.

The seal and other registered trademarks may be used on commercial products only if licensed by the UT System, which restricts authorized use to products that will preserve the reputation of component institutions represented by the trademarks. UT System regulations on the commercial use of trademarks are stated in its *Intellectual Property Policy*. Students should consult the university's Office of the Vice President for Legal Affairs for information on permission for use.

The seal and other registered trademarks may not be used in business names and/or logos. They may be used in a few other instances only with prior written consent of the president. Requests should be sent to the Office of the Vice President for Legal Affairs.

MEDICAL CURRICULUM • anesthesiology and pain management • biochemistry • cardiovascular and thoracic surgery • cell biology • clinical sciences • dermatology • developmental biology • family and community medicine • immunology • internal medicine • microbiology • molecular biology • molecular genetics • neurological surgery • neurology • neuroscience • obstetrics and gynecology • ophthalmology • orthopaedic surgery • otolaryngology - head and neck surgery • pathology • pediatrics • pharmacology • physical medicine and rehabilitation • physiology • plastic surgery • psychiatry • radiation oncology • radiology • surgery • urology •



Degree of Doctor of Medicine

The degree of Doctor of Medicine is granted by UT Southwestern Medical School upon satisfactory completion of the instructional courses detailed in this catalog. The completion of these courses is ordinarily accomplished in four academic years ranging in length from 32 to 48 weeks each.

Candidates must 1) be at least 21 years of age at the time the degree is awarded, 2) be of good moral character, 3) fulfill all academic requirements, and 4) comply with all necessary legal and financial requirements.

Curriculum

UT Southwestern Medical School has a four-year curriculum based on departmental as well as interdisciplinary teaching. The first two years offer the student an opportunity to develop a strong background in the basic sciences and to receive an introduction to clinical medicine.

The first-year curriculum begins with a study of the normal human body and its processes at the molecular and cellular levels. Biochemistry, genetics, anatomy and embryology are presented concurrently for the first portion of the year, building together the concepts of macromolecular and cellular interactions within tissues. The spring term is composed of interdisciplinary courses in neuroscience and physiology as well as courses in cell biology and human behavior and psychopathology. Fundamentals of Immunology completes the first year.

The second year offers the student an opportunity to begin a study of disease processes and the way physicians may interfere with those processes therapeutically. The material is organized as blocks of integrated material focused on the body's many organ systems. The year begins with the core principles from each of the major disciplines: clinical medicine, microbiology, pathology and pharmacology. Contact with patients begins early in the second year with history taking, physical examination, and visits to the hospital wards and various outpatient clinics. Students usually will take the U.S. Medical Licensing Examination Step 1 at the conclusion of the second year. The details of the USMLE Step 1, as it pertains to meeting academic requirements, are discussed later in this section of the catalog.

The third and fourth years offer intense clinical experiences involving the student in direct patient care. The third year is a 12-month year. It offers rotations of eight weeks each in surgery and pediatrics, six weeks each in psychiatry and obstetrics and gynecology, four weeks each in family medicine and neurology, and 12 weeks in internal medicine.

The fourth year consists of four-week clinical rotations in ambulatory medicine and acute care and a subinternship in internal medicine, pediatrics, or obstetrics and gynecology. Four four-week electives are chosen from an extensive list of options to fulfill the remaining course requirements. Certification in advanced cardiac life support is also a requirement for graduation. Although not an academic requirement for graduation, the USMLE Step 2 must be taken before completion of medical school.

The curriculum is dynamic and responds to the changing requirements of medical education. Faculty and students review the curriculum regularly, and changes are introduced almost every year. For an updated list of courses and credits, students should contact the Office of the Registrar.

Summer Opportunities

Students have a 10-week summer break at the end of their first year. For those who wish, this time can be used for research experiences or for sponsored clinical exposure in a variety of specialties. Student research opportunities abound among the faculty in both basic and clinical departments. The results are presented at a universitywide forum in the spring semester. Community preceptorships are offered in internal medicine, family medicine and psychiatry, and also are available in more specialized settings such as anesthesia.

Medical Studies in Other Schools

Students are permitted to pursue some parts of their studies at other medical schools in the form of senior-year courses. Approval must be obtained from the equivalent UT Southwestern department

in which the course is based and then from an associate dean for student affairs. The following conditions must be met: 1) that the student enroll and pay fees at UT Southwestern Medical School and 2) that proof of satisfactory completion of studies in the institution is submitted to the UT Southwestern Office of the Registrar.

VISITING STUDENTS

UT Southwestern's capacity to accommodate students from other institutions who wish to undertake an elective rotation is very limited. UT Southwestern cannot reserve positions in advance for any students other than those enrolled in UT Southwestern's M.D. degree program. The burden placed on UT Southwestern's faculty in providing adequate supervision to UT Southwestern students leaves scant room even for students from schools accredited by the Liaison Committee on Medical Education, with whom UT Southwestern reciprocates on exchanging students for elective rotations. In the unlikely event that UT Southwestern has excess capacity on its clinical teaching services for well-trained elective students from non-LCME-accredited medical schools, UT Southwestern will consider an application from those students.

Core clerkships in the third year and courses provided in the first two years are available only to students enrolled at UT Southwestern. Approval of visiting students rests with the appropriate clinical department. All students must be covered by malpractice insurance. Information concerning electives may be obtained from the Office of the Registrar or from the appropriate clinical department.

MEDICAL SCHOOL CALENDAR

The calendar for UT Southwestern Medical School varies in detail from year to year. Classes for freshmen and sophomores begin in mid-August and are completed in May. The various clinical disciplines are in session throughout the calendar year for both juniors and seniors. Graduation is held on the first Saturday in June. There is a winter break as well as a spring break for all classes.

FIRST-YEAR CURRICULUM

COURSE	CREDITS
Academic Colleges at UT Southwestern	1.0
Biology of Cells and Tissues	2.0
Fundamentals of Immunology	1.0
Human Anatomy	4.0
Human Behavior and Psychopathology	2.5
Medical Biochemistry	3.5
Medical Embryology	0.5
Medical Genetics	1.5
Medical Neuroscience	3.0
Medical Physiology	4.0

ACADEMIC COLLEGES AT UT SOUTHWESTERN

Academic Colleges create an informal environment where faculty mentors and students share the experience of being a physician. Weekly meetings are held throughout the first two years. Topics assigned for weekly meetings are coordinated with topics discussed in the basic science curriculum. In addition, mentors instruct students on clinical topics, such as history taking, physical examination, diagnosis, ethics and professionalism.

BIOLOGY OF CELLS AND TISSUES

This lecture and laboratory course introduces the study of cells, organized tissues and organ systems at levels of the light and electron microscopes. Emphasis is on structure-function interrelationships between specific cell types in organized tissue systems. The first part of the course covers the functional morphology of cells and their organelles, chemical composition of cellular components and products, cell surfaces and movement, and a histological and ultrastructural survey of cells and the basic tissue types. The bulk of the course is devoted to the systematic survey of the histology of the organ systems of the body. Approximately 50 laboratory hours are devoted to studies in ultrastructure and histology.

FUNDAMENTALS OF IMMUNOLOGY

The Fundamentals of Immunology course covers the molecules, cells and tissues that mediate innate and acquired immune function in humans

and selected model organisms, as well as the mechanisms underlying cellular interactions, cell activation, differentiation and proliferation, cell trafficking, tolerance, and immune dysregulation in selected human diseases.

HUMAN ANATOMY

This course offers a basic understanding of the structure and function of the human body as it relates to the practice of medicine. By using surface, radiological and cadaver anatomy, students may acquire a three-dimensional understanding of structural relationships in the living body. Students, working in groups of four, dissect the major structures of the body. Prosections and demonstration specimens are provided for amplification and clarification of adult anatomy. The laboratory work is further supplemented by sessions in which radiological techniques are used to illustrate parts of the bony skeleton, as well as the thoracic and abdominopelvic viscera. Videos that illustrate the anatomy of selected regions of the body are available for repetitive viewing by students. Lectures by faculty stress the more important aspects of anatomy, especially as they relate to the practice of medicine.

HUMAN BEHAVIOR AND PSYCHOPATHOLOGY

The Human Behavior component of the course examines a broad range of topics, including human psychosocial development, family development, sexuality and culture. This information serves as a background against which abnormal human development and behavior can be understood. Small-group teaching is used to complement the lecture content.

The Psychopathology component provides an introduction to the pathogenesis, clinical features and treatment of mental disorders. Videos are used to demonstrate various psychiatric illness. Small-group patient interviews allow the students to practice their interviewing and examination skills while solidifying their understanding of various mental illnesses.

MEDICAL BIOCHEMISTRY

This course introduces the fundamentals of modern biochemistry as applied to medicine. The course covers topics such as the nature and properties of enzymes; bioenergetics and the metabolism of carbohydrates and nitrogen compounds; lipids and hormones; and storage, transmission and expression of genetic information. Particular emphasis is placed on those aspects of biochemistry relevant to medical problems.

MEDICAL EMBRYOLOGY

This course is organized primarily by organ system, covering embryologic development from ovulation through birth. There is an introductory summary lecture. The remainder of the course is given in a self-study format. The course materials include a complete syllabus with self-study questions, the companion Web curriculum Web site, a CD-ROM with animations of embryologic development and supplementary textbooks on reserve in the library. The course is graded on a pass/fail basis after a multiple-choice examination.

MEDICAL GENETICS

This course introduces the basic principles of human genetics and their application to clinical medicine — chromosome abnormalities, genetic patterns of inheritance, inborn errors of metabolism, multifactorial inheritance, population genetics, gene mapping and identification, genetic screening, cancer genetics, pharmacogenetics, gene therapy, genetic counseling, and ethical issues and decision making in medical genetics.

MEDICAL NEUROSCIENCE

This course consists of lectures and small-group laboratory sessions. It is offered by Neurology and Neuropathology with assistance from the departments and/or divisions of Cell Biology, Physiology, Psychiatry, Anesthesiology and Pain Management, Neuroradiology, and Basic Neuroscience. Basic concepts in anatomy, cellular physiology and neural-systems physiology are covered in the course. Emphasis is given to the practical application of these basic anatomical and physiological principles to human neuroscience and neuropathology.

MEDICAL PHYSIOLOGY

This course examines the physiological function and regulation of major organ systems of the human body and their components. Topics include membranes and transport mechanisms; skeletal, cardiac and smooth muscle; and the cardiovascular, respiratory, renal and gastrointestinal systems. Instruction consists of lectures, problem-solving and case-study sessions, and clinical correlations. The course not only emphasizes mechanistic and integrative functions of normal physiology but also introduces abnormal function that occurs in many human diseases.

SECOND-YEAR CURRICULUM

COURSE	CREDITS
Clinical Medicine: Principles and Practices	6.0
Colleges at UT Southwestern	1.0
Medical Microbiology	5.0
Medical Pharmacology	3.0
Pathology	7.0

The topics of the second-year curriculum are organized as blocks of integrated material focused on the body's many organ systems.

CLINICAL MEDICINE: PRINCIPLES AND PRACTICES

The course serves as a transition from the basic science courses to the clinical clerkship year. The goal is to help the student acquire the knowledge, skills and attitudes necessary to participate in the active care of patients in the context of a health care team.

The course helps students become knowledgeable in the clinical presentation of common diseases (history and physical content); the pertinent laboratory and radiological abnormalities associated with common diseases; the pathophysiology causing the symptoms and signs and the laboratory results seen in common diseases; and the management principles as they relate to the pathophysiologic basis of symptoms, signs and laboratory results. Instruction includes lectures and clinical reviews using case discussions as examples, giving students the opportunity to synthesize patient information that eventually leads to diagnoses.

MEDICAL MICROBIOLOGY

The medical microbiology course familiarizes medical students with the fundamental characteristics of microorganisms of medical importance and the diseases they cause. Initially, there is an introduction to microbiology as a basic science with discussion concerning microbial genetics, physiology and structure, and phylogeny. As the course proceeds (in integration with pathology, clinical medicine and pharmacology courses), host-parasite interrelationships for specific groups of disease-producing agents in organ systems are discussed. Throughout the course, concepts and basic information on medical microbiology are accompanied by clinical correlates. Instruction includes lectures, laboratory exercises, and case or clinical-based small-group discussion facilitated by the faculty.

MEDICAL PHARMACOLOGY

The course in medical pharmacology offers students a sound background in pharmacology as a basic biomedical science; students thereby have the opportunity to prepare for further study of therapeutics and clinical pharmacology. After a thorough introduction to the general principles of pharmacodynamics and pharmacokinetics, the pharmacological and toxicological properties of the major classes of drugs are discussed. Emphasis is placed on understanding the mechanisms of drug-induced modifications of physiological functions in humans. Lectures are supplemented with clinical correlations on the rational use of drugs in the management of disease.

PATHOLOGY

The year-long pathology course explores how the etiology, pathogenesis and pathophysiology of disease processes give rise to the clinical consequences of disease in humans. In the first part of the course, general pathology covers mechanisms of disease (e.g., inflammation, autoimmunity, neoplasia) common to multiple organ systems, whereas later in the course, diseases that are unique to each system are integrated with material from the other three courses on a system-by-

system basis. Using comprehensive learning objectives as a guide, students may acquire information from several sources, including lecture and associated handouts, textbooks, small-group discussions led by faculty and resident facilitators, hands-on examination of gross and microscopic specimens, computer-based case tutorials, and attendance at autopsies. Self-study time is incorporated into the course schedule.

USMLE STEP 1

UT Southwestern medical students are counseled to take the U.S. Medical Licensing Examination Step 1 in June following the second year. Students must take the examination prior to beginning the fourth year. Students must obtain a passing score on the USMLE Step 1 to progress through the fourth year.

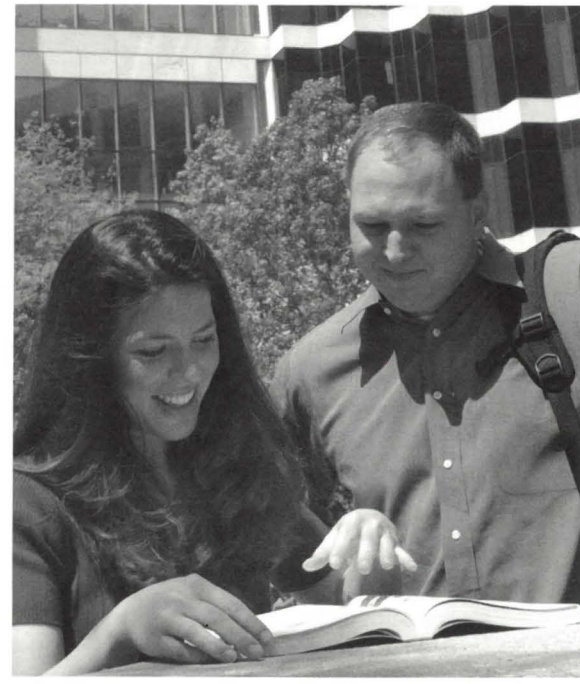
THIRD-YEAR CURRICULUM

CLERKSHIPS	CREDITS
Family Medicine	4.0
Internal Medicine	8.0
Internal Medicine Subspecialty	4.0
Neurology	4.0
Obstetrics and Gynecology	6.0
CLERKSHIPS	**CREDITS**
Pediatrics	8.0
Psychiatry	6.0
Surgery	8.0

FAMILY MEDICINE CLERKSHIP

The third-year clerkship in family medicine exposes students to primary-care role models and ambulatory clinical experiences in contemporary health care delivery away from the tertiary-care setting. This four-week clerkship has both didactic and clinical portions.

The clinical portion of the clerkship is based primarily at family medicine residency programs affiliated with UT Southwestern and the family medicine residency program located at UT Tyler, Baylor Medical Center at Garland and John Peter Smith Hospital. Some students also are based at private practitioner offices in Arlington, Colleyville and Bedford that are designated clerkship sites. The UT Southwestern-affiliated sites include



Charlton Methodist Hospital, Dallas; UT Southwestern University Hospitals, Dallas; McLennan County Family Practice Center, Waco; and UT Southwestern-Parkland Family Medicine Residency Program, Dallas. Each of these sites is staffed by UT Southwestern faculty. Students see patients at the family medicine centers and in a variety of other practice sites, including private offices, under the supervision of adjunct clinical faculty.

The didactic portion of the clerkship consists of lectures and small-group activities that focus on clinical topics and patient and family issues commonly encountered in a family medicine environment. Clerks prepare and present a patient study to faculty at each site and participate in conferences.

INTERNAL MEDICINE AND INTERNAL MEDICINE SUBSPECIALTY CLERKSHIP

The internal medicine clerkship consists of two parts, an eight-week general medicine inpatient portion and a four-week subspecialty in medicine portion. For the eight-week general medicine rotation, each student spends four weeks at Park-

land Memorial Hospital and four weeks at either the Dallas Veterans Affairs Medical Center or the Baylor University Medical Center. The student is assigned patients under the supervision of house staff and attending physicians. The clinical clerk is responsible for written admission work-ups, progress notes and oral presentations, as well as participation in the ongoing care of patients.

During the four-week subspecialty portion, students have the opportunity to explore a subspecialty of internal medicine, based at Parkland, UT Southwestern University Hospitals or the Dallas VA Medical Center. Most rotations are inpatient or inpatient consultations with varying amounts of outpatient exposure, based on the specialty.

The objectives of the clerkship are to develop proficiency in approaching the diagnosis and therapy of serious medical illness, to foster an appreciation of disease as the expression of deranged physiology, to inculcate habits of critical inquiry and self-education, and to enhance an appreciation of the physician's responsibility to the patient.

Teaching is carried out on rounds with house staff and attending physicians and at conferences and lectures specifically organized for the clerks. Each student must undertake a systematic program of daily reading in standard texts and journals. Attendance at departmental events such as Grand Rounds, Clinical-Pathological Conference, the case presentations at noontime Potpourri and Residents' Conference completes this educational experience.

NEUROLOGY CLERKSHIP

A comprehensive and intensive neurology clerkship offers instruction in the diagnosis and management of neurologically ill patients. The students participate actively in the evaluation and care of patients on neurology services such as those at Parkland Memorial Hospital, Dallas VA Medical Center and Texas Health Presbyterian Hospital Dallas. Clinical conferences, tutorial seminars and didactic teaching sessions are important parts of the clerkship. The clerkship prepares the student to evaluate neurological disease and to apply knowledge of anatomy, physiology and pathology to the formulation of an appropriate differential diagnosis.

OBSTETRICS AND GYNECOLOGY CLERKSHIP

Each third-year medical student spends six weeks on the obstetrics and gynecology service. The time is evenly divided between obstetrics and gynecology. Students are divided into small groups, and their clinical activities are supervised by house staff and faculty.

During obstetrics, students rotate through postpartum and antepartum care of medical complications of pregnancy. Students also provide care in the labor and delivery area and the triage area of Parkland and the prenatal clinic at Maple Plaza. Under supervision of house staff or certified nurse midwives, students deliver babies of uncomplicated pregnancies. Students also assist in the management of complicated pregnancies during the labor and delivery process and follow patients postpartum.

During gynecology, the students are divided into small groups and rotate through gynecology clinic and surgeries at Parkland and other hospitals. One afternoon is spent in the UT Southwestern Center for Minimally Invasive Surgery learning laparoscopic techniques.

In addition to ward and clinical activities, each student spends four to five hours each week in formal conferences with faculty. These conferences are devoted to discussion of patients or clarification of information that the student has encountered elsewhere. Members of the faculty give lectures on the principles of obstetrics and basic gynecology.

PEDIATRICS CLERKSHIP

The eight-week pediatric rotation is divided into four weeks on the inpatient service at Children's Medical Center Dallas, two weeks in its outpatient department, one week in a private-practice office and one week in the newborn nursery at Parkland Memorial Hospital.

INPATIENT SERVICE: During the four-week inpatient rotation, students are placed on one of the general pediatric inpatient clinical services at Children's for two weeks and on one of the four

subspecialty services for two weeks. Students are part of the clinical management team under the supervision of a full-time faculty attending physician and an upper-level pediatric resident. The number of patients each student follows is determined by his or her individual educational requirements. Each student is expected to take initial histories, perform initial physical exams, write daily progress notes on his or her assigned patients and be prepared to present them on daily rounds.

OUTPATIENT ROTATION: Students spend two weeks in ambulatory pediatrics, one week in a private practice office and one week in the newborn nursery at Parkland. During the two weeks in ambulatory pediatrics, students spend most mornings in Medical Student Clinic, where they take complete histories and physicals and present to both full-time and volunteer faculty. The remaining time is spent in various pediatric subspecialty clinics and can be directed toward each student's interest. During the private practice rotation, students spend three days under the supervision of a volunteer faculty member. The remaining days are focused on adolescent medicine and child abuse/child advocacy. During the newborn nursery week, students examine healthy newborns and may attend complicated deliveries.

The course in pediatrics is designed to emphasize normal growth and development and the impact of disease and its treatment on the developing child. Additionally, the prevention of disease and injury, along with the role of the physician as child advocate, is stressed.

PSYCHIATRY CLERKSHIP

An intensive six-week rotation in psychiatry actively involves the student in a variety of psychiatric services. Students are assigned to two three-week sites for their primary clerkship experiences. These sites include inpatient psychiatry, consultation/liaison psychiatry, community health care and emergency psychiatry in a variety of hospital settings, including Parkland, UT Southwestern University Hospitals, Dallas VA Medical Center, Children's and Texas Health Presbyterian. These primary clerkship experiences are supplemented by part-time experiences in outpatient psychiatry and emergency psychiatry. Students also are able to see clinical care unique to psychiatry, such as electroconvulsive therapy.

In addition to diverse clinical exposure, students also spend one half-day a week in didactic teaching sessions focusing on the diagnosis and biopsychosocial treatment of psychiatric disorders. Students attend weekly departmental Grand Rounds and participate in teaching conferences on their primary service site.

SURGERY CLERKSHIP

The junior surgical clerkship introduces students to the theoretical and practical aspects of surgical patient care. Emphasis is placed on the underlying pathophysiology rather than technical aspects. Students are fully involved in the daily care of surgical patients and participate in diagnostic and therapeutic decision making. This eight-week experience also includes didactic teaching sessions, small-group interactions with full-time faculty and skills lab training.

FOURTH-YEAR CURRICULUM

CLERKSHIPS	CREDITS
Acute Care Clerkship	2.0
Ambulatory Care Clerkship	2.0
Subinternship	2.0
Four Electives	8.0
Advanced Cardiac Life Support	0.0

ACUTE CARE CLERKSHIP

This four-week clerkship offers instruction in the diagnosis and management of an acutely ill or injured patient. Students select a rotation from a variety of clinical settings, including intensive care units, critical care services and emergency departments.

The selection sites for this clerkship include Parkland's burn ICU, critical care unit, emergency department, neonatal ICU, surgical ICU and trauma service; Dallas VA Medical Center's cardiovascular anesthesia and surgical ICU; and Children's emergency department, pediatric ICU and pediatric cardiac critical care unit.

During this clerkship the student functions as an integral member of the medical team providing a high level of care to acutely ill or injured

patients. Under the supervision of residents, fellows and attending physicians, the student may gain an enhanced knowledge of stabilization, resuscitation and management of such critically ill patients.

AMBULATORY CARE CLERKSHIP

Students spend one month in outpatient clinics or private physicians' offices for internal medicine, family medicine or women's health. Students are expected to interview patients and obtain vital information for patient care, interpret data and discuss the treatment plan with the patient and family, promote general health maintenance and disease prevention, and consult with specialty services to coordinate care. Students should demonstrate knowledge about a wide variety of illnesses and apply this knowledge to patient care. Students also should be able to assimilate scientific evidence to improve patient care.

SUBINTERNSHIP

Students spend four weeks on an inpatient service in either internal medicine, pediatrics, or obstetrics and gynecology. Students are expected to interview patients and obtain vital information for patient care, interpret data and discuss the treatment plan with the patient and family, promote general health maintenance and disease prevention, and consult with specialty services to coordinate care. Students should be able to provide the differential diagnosis of a chief complaint and a treatment plan to investigate the cause. Students also are expected to apply current clinical knowledge to arrive at a diagnosis with the health care team. Students should be able to assimilate scientific evidence to improve patient care and be able to communicate effectively with the health care team, patients and patients' families. There is special emphasis on skills needed for internship, such as cross-over, transitions of care, writing discharge summaries, conducting family meetings and breaking bad news.

ELECTIVES

The elective program has a two-fold purpose: 1) to aid the student in a career choice and 2) to offer an opportunity to build strengths in related fields should a career choice have been made by the senior year. Four months of the fourth year of medical school are available for electives.

Students may take electives off campus if approved by the chair of the relevant medical school department and then by an associate dean for student affairs. Some students may choose to spend their elective time on a research project.

An elective handbook listing the various offerings is published each year. Included are electives in the major clinical disciplines and in the medical and surgical subspecialties. Occasionally a student may, with faculty approval, design an elective to meet a special need. Selection of electives is guided by individual counseling from faculty when needed.

More than 100 elective courses are offered by many departments, including Anesthesiology and Pain Management, Cardiovascular and Thoracic Surgery, Clinical Sciences, Dermatology, Family and Community Medicine, Internal Medicine, Neurology, Neurological Surgery, Obstetrics and Gynecology, Ophthalmology, Orthopaedic Surgery, Otolaryngology - Head and Neck Surgery, Pathology, Pediatrics, Pharmacology, Physical Medicine and Rehabilitation, Plastic Surgery, Psychiatry, Radiology, Surgery, and Urology.

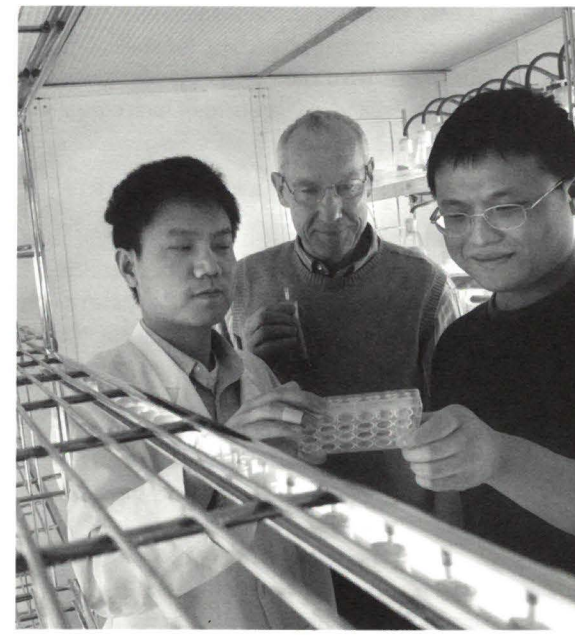
ADVANCED CARDIAC LIFE SUPPORT

ACLS includes didactic information about the management of cardiac arrest, including rhythm recognition, drugs and protocols. Students practice skills for airway management, including intubation; management of bradycardia, tachycardias, ventricular fibrillation, asystole, pulseless electrical activity, and shock and heart failure; and use of defibrillators and automated external defibrillators. Students must master techniques for basic life support for health professionals, such as one- and two-rescuer cardiopulmonary resuscitation, infant CPR, child CPR, and management of obstructed airway for all ages, before practicing skills for advanced techniques. Examinations include a written examination and demonstration of proper technique for intubation and ability to serve as team captain for a cardiac-arrest scenario. The student must pass each section for certification.

MEDICAL SCIENTIST TRAINING PROGRAM

The Medical Scientist Training Program at UT Southwestern Medical Center integrates medical and research training for qualified women and men at the graduate level leading to both M.D. and Ph.D. degrees. The goal of the program is to prepare individuals as physician-scientists. Graduates of this program typically pursue careers in academic medicine and biomedical research at the nation's leading institutions.

This program offers students an integrated curriculum in the scholarly setting of UT Southwestern Medical School and UT Southwestern Graduate School of Biomedical Sciences. The MSTP curriculum is flexible and individualized to suit the background and interest of each medical scientist fellow. The program is designed to be completed in approximately seven to eight years. Additional time is allotted if needed to meet requirements for the Ph.D. degree.



PREREQUISITES

A baccalaureate degree is required, and significant experience in laboratory research is essential for admission. It is desirable, but not mandatory, that the minimum prerequisites for admission to UT Southwestern Medical School be supplemented by one year of college calculus and one year of physical chemistry. Potential applicants who have not had prior experience in a research laboratory should gain such experience before considering a career in academic medicine and medical research. It is possible to acquire the necessary research experience after entering UT Southwestern Medical School and to apply to the MSTP during the first or second year of medical school.

MEDICAL SCIENTIST FELLOWSHIPS

The Medical Scientist Training Program is the recipient of a training grant from the National Institute of General Medical Sciences of the National Institutes of Health. Support for the program also is provided by the Perot Foundation and other sources. All students accepted into the program receive stipend support and full funding for tuition and fees.

There is no priority assigned to an applicant's state of residency. MSTP fellows come from all over the United States, and international applicants are also welcomed with full support.

ORGANIZATION OF THE PROGRAM

Through the course of the program, M.D./Ph.D. fellows are enrolled in UT Southwestern Medical School or UT Southwestern Graduate School. Students who complete the MSTP will have met all requirements for the Ph.D. degree in the graduate school and for the M.D. degree in the medical school. The Ph.D. may be earned in one of the programs within the Division of Basic Sciences: Biological Chemistry, Cell Regulation, Genetics and Development, Immunology, Integrative Biology, Molecular Biophysics, Molecular Microbiology, and Neuroscience. Each of these programs is interdisciplinary by design. Program faculty are derived from both basic science and clinical departments of the medical school.

The MSTP affords the student flexibility in the selection and scheduling of courses. A typical schedule would include the first two years of medical school with summer laboratory rotations prior to and following the first year and again following the second year. The summer laboratory rotations are research apprenticeships to aid the student in selecting a research area and a mentor

for research training. These apprenticeships are established by discussion with each student, the MSTP committee and the potential preceptor. They are intended to expose the student to a variety of excellent laboratories in his or her area of interest.

APPLICATION PROCEDURE

The process for admission to the MSTP can be viewed at the Web site www.utsouthwestern.edu /mstp. Application to the MSTP is made by completing the AMCAS form.

THE M.D./M.P.H. PROGRAM

UT Southwestern Medical School and The University of Texas Health Science Center at Houston School of Public Health offer students interested in medicine and public health an opportunity to be awarded a degree in each field at the end of a five-year program. Students complete all course work for both degrees on the UT Southwestern campus and receive the M.D. degree from UT Southwestern and the Master of Public Health from UT Houston School of Public Health. The activities leading to the M.D. degree are described earlier in this chapter. Curriculum and course descriptions for the M.P.H. are available from the Office of the Registrar, The University of Texas Health Science Center at Houston, P.O. Box 20036, Houston, TX 77225; 713-500-9032.

Students register at UT Southwestern for courses in the medical school. Registration and tuition for courses for the M.P.H. are handled through UT Houston School of Public Health.

PREREQUISITES

Applicants to the M.D./M.P.H. program must meet all the prerequisites for the medical school as outlined in this chapter of the catalog. The school of public health does not have prerequisite course requirements, but a baccalaureate degree is necessary for an application. In addition, it is recommended that applicants have at least a 3.0 GPA from course work in higher education. Applicants who are citizens of countries where English is not the native language are required to submit scores from the Test of English as a Foreign Language.

APPLICATION PROCEDURE

The student may submit two applications: one each to the medical school and the public health school. School of public health applications may be obtained from the school of public health Office of the Registrar at the address listed above. Medical school applications must follow the procedure outlined in the Application Procedure section of this chapter. Applicants who submit both applications simultaneously will receive notification from both programs before the beginning of the academic year, though notifications may occur at different times.

The GRE is required for the school of public health application, and scores should be submitted. Applicants should submit two letters of recommendation, a statement of purpose and official transcripts covering enrollment in accredited institutions of higher education to the school of public health registrar's office. The same letters of recommendation submitted for the medical school application also may be submitted for the school of public health application. Transcripts should be sent directly to the school of public health by the educational institution.

Medical students also may apply to the school of public health at any time during their medical school tenure. Final acceptance to the M.P.H. program may be contingent upon satisfactory progress in medical school.

CURRICULUM

The first three years of the M.D./M.P.H. program are identical to the first three years of the medical school, as described earlier in this chapter. The school of public health year begins after the third year of medical school. The student is placed on a leave of absence from the medical school, enrolls in and may apply for financial aid from the school of public health. The curriculum includes courses in the five basic public-health areas (epidemiology, biostatistics, behavioral sciences, environmental health sciences, and health management and policy sciences) plus electives. Completion of the degree also requires a semester

practicum of 180 hours in a public-health setting and a master's thesis.

After the school of public health year, the student re-enrolls in the medical school to complete the senior year. If the thesis is not complete by the time the senior year starts, the student may complete the thesis during periods when the student is not taking medical school courses. Students in the M.D./M.P.H. program also have the opportunity to participate in medical school electives in public health during their senior year of medical school.

THE M.D./M.B.A. PROGRAM

The M.D./M.B.A. Program focuses on giving future physicians the skills to successfully integrate medicine and business. The combined degree program is a joint effort of UT Southwestern Medical School and the School of Management at UT Dallas. The five-year program offers interested students the benefits of a medical education and a strong business management curriculum.

CURRICULUM

Students usually complete the first three years of the medical curriculum (all basic science courses and third-year clinical rotations) and then take a one-year leave of absence from the medical school to complete the business education. Students then return to the medical school to complete the medical curriculum in the required fourth-year clinical clerkships and electives. At the end of the five years, the M.D. degree will be awarded by UT Southwestern and the M.B.A. by UT Dallas.

The business curriculum starts with the traditional M.B.A. core (accounting, information technology, economics, statistics, marketing, finance and organizational behavior) and adds additional seminars that emphasize the "softer" skills needed to succeed in business. Students also may select from a large number of elective courses offered by the management school to design their own specialization. Elective courses include corporate finance and policy, consumer behavior, database management systems, conflict and negotiation, money and capital markets, corporate taxation, and corporate financial reporting. The goal of the M.B.A. program is to prepare leaders who have mastered the fundamentals of business and learned how to innovate in a dynamic environment.

APPLICATION PROCEDURE

Students interested in the combined M.D./M.B.A. program should apply for admission to the medical school following the procedure outlined in the Application Procedure section in this chapter of the catalog. Once a student is admitted into the medical program, application for the M.B.A. program is completed in consultation with the UT Southwestern M.D./ M.B.A. adviser. The exact plan for applying to the business program, leave of absence from the medical school, and completing the business curriculum will be developed individually with each student to meet each student's educational and professional objectives. The GMAT is not required for applicants to the M.B.A. program.

CLINICAL AND RESEARCH FELLOWSHIPS

The various clinical and basic science departments of the medical school offer clinical and research fellowships at later stages of training. The fellowships in the clinical departments are designed to offer clinical and investigational training in preparation for subspecialty certifying boards or for other subspecialty expertise not subject to board examination but usually prerequisite for academic careers. Fellowships in the basic science departments provide advanced research training, usually to those with Ph.D. or M.D./ Ph.D. degrees.

CONTINUING EDUCATION/PUBLIC EDUCATION

The Office of Continuing Education/Public Education is responsible for coordinating continuing professional development of physicians. The CE office also conducts continuing education for UT Southwestern School of Health Professions and UT Southwestern Graduate School of Biomedical Sciences.

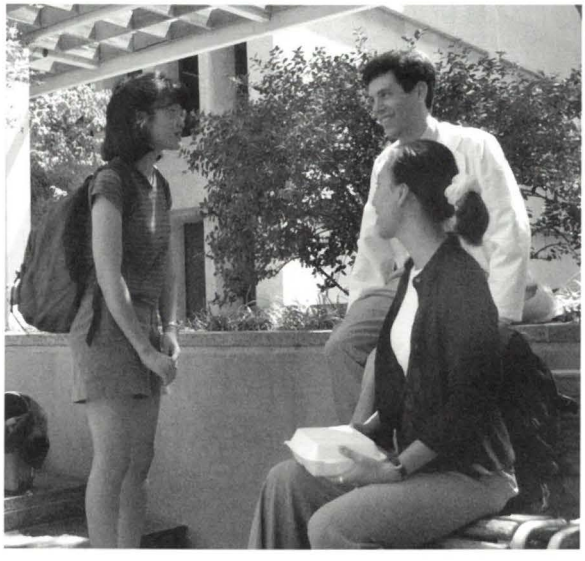
Under the direction of the associate dean for

medical education, the full-time staff includes a director of public education, manager of national programs and CE coordinators who are experienced in meeting planning and instructional design. Two advisory committees, one composed of UT Southwestern faculty and the other of alumni and area practicing physicians, assure the quality and relevance of the programming.

The Office of Continuing Education/Public Education serves as a valuable resource for medical and health professionals to keep abreast of scientific knowledge; to enhance and improve their care of patients; and to help maintain licensure and professional certification requirements. Students and resident physicians are encouraged to attend continuing medical education events with appropriate approvals and registration.

The Accreditation Council for Continuing Medical Education nationally accredits the UT Southwestern Office of Continuing Education/Public Education. Educational offerings sponsored by the CE office provide AMA/PRA category one credit. Various other kinds of credit are obtained from professional associations and other specialty societies such as the American Academy of Family Physicians. Attendance records are retained in the CE office.

Serving as a central source of information for continuing education in the health sciences, the office publishes a bi-monthly calendar available to e-mail subscribers. A calendar of continuing education events also is available on the CE office Web site at www.utsouthwestern.edu.



UT Southwestern faculty members serve as speakers for most continuing professional education offerings and are available to speak for community continuing education activities. A list of topics and speakers is available through the Office of Continuing Education/Public Education. Arrangements for speakers can be made through the associate dean for medical education.

In carrying out its mission to physicians and health care professionals, the CE office works with various departments within UT Southwestern to develop educational offerings with affiliated hospitals. The office also jointly sponsors educational offerings with regional hospitals, professional medical societies and health organizations.

Educational opportunities are offered to health professionals in preparation for several board examinations in the way of updates. Individual mini-fellowships can be designed for specific needs and are intended to supplement experience with new skills and updated information for medical practice.

For information regarding continuing medical education offerings, please call the UT Southwestern Office of Continuing Education/Public Education at 2146483138.

Distance Learning

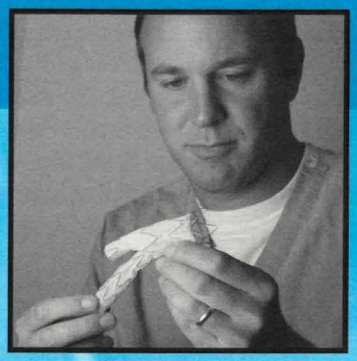
UT Southwestern Medical Center offers distance learning courses to on-campus and off-campus students enrolled for academic credit in the health professions or for continuing education.

Undergraduate and postgraduate courses are under development by UT Southwestern's faculty. As courses are created, they will proceed through the usual phases of academic course review and approval. UT Southwestern does not offer, nor does it plan to offer at this time, full degree programs via distance education.

UT Southwestern supports and participates in the UT TeleCampus, which facilitates many of the elements in the UT Southwestern institutional plan for distance education/distance learning.

MEDICAL FACULTY

• anesthesiology and pain management • biochemistry • cardiovascular and thoracic surgery • cell biology • dermatology • family and community medicine • internal medicine • microbiology • molecular biology • molecular genetics • neurological surgery • neurology • neuroscience • obstetrics and gynecology • ophthalmology • orthopaedic surgery • otolaryngology - head and neck surgery • pathology • pediatrics • pharmacology • physical medicine and rehabilitation • physiology • plastic surgery • psychiatry • radiation oncology • radiology • surgery • urology •



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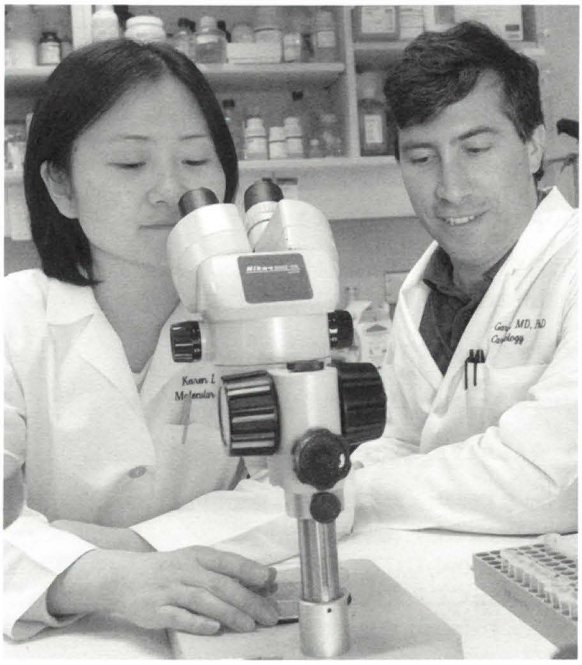

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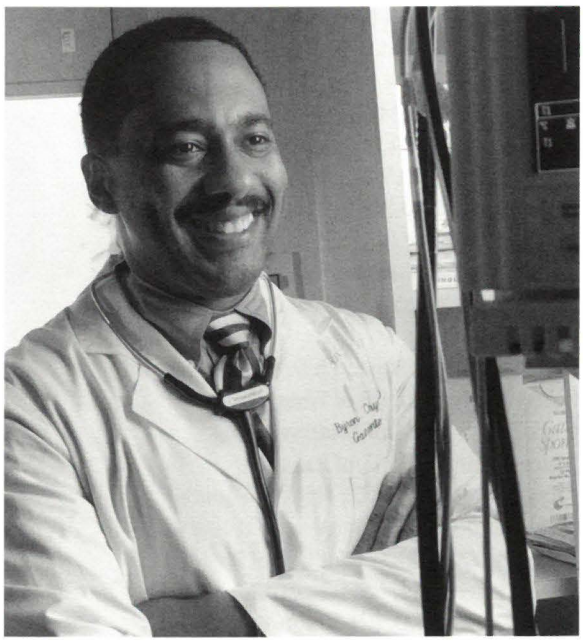

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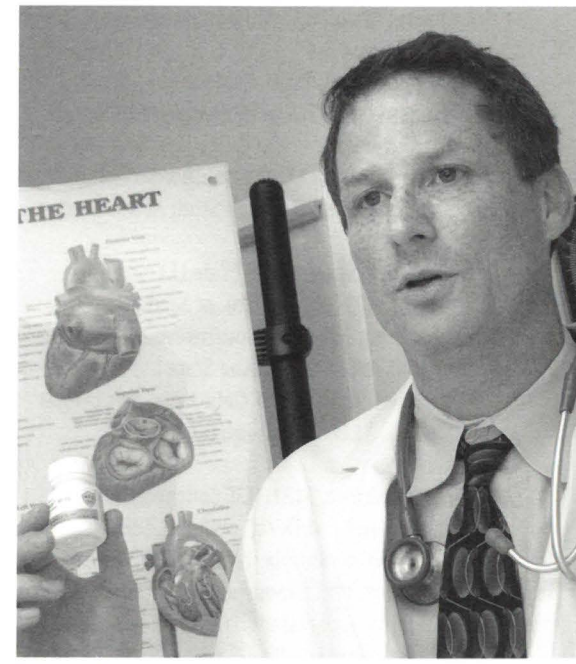

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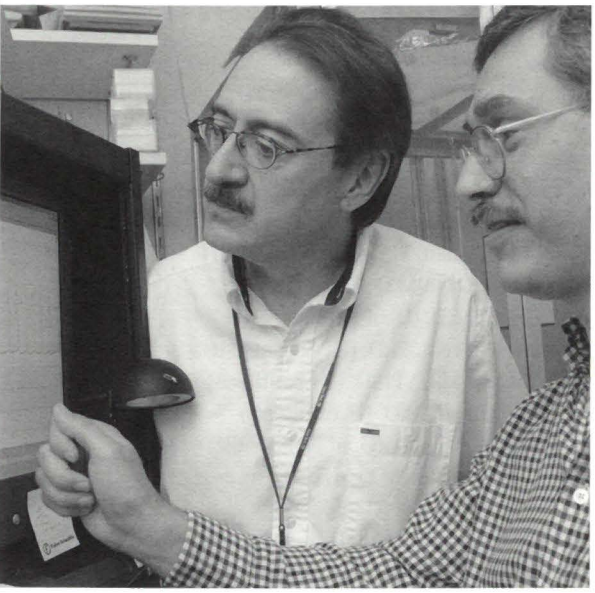

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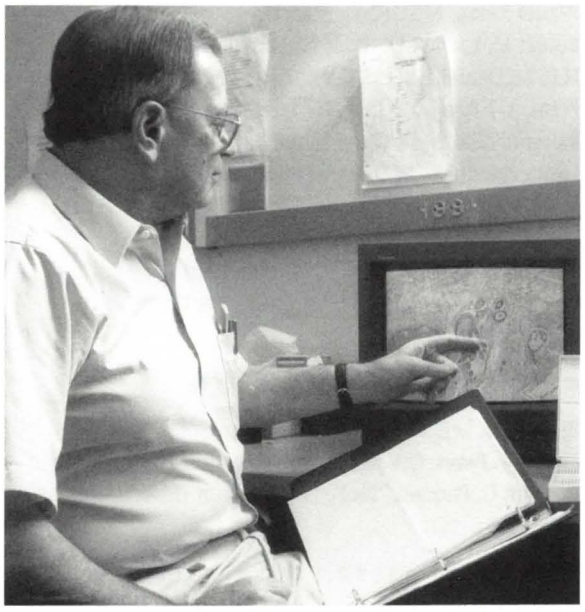

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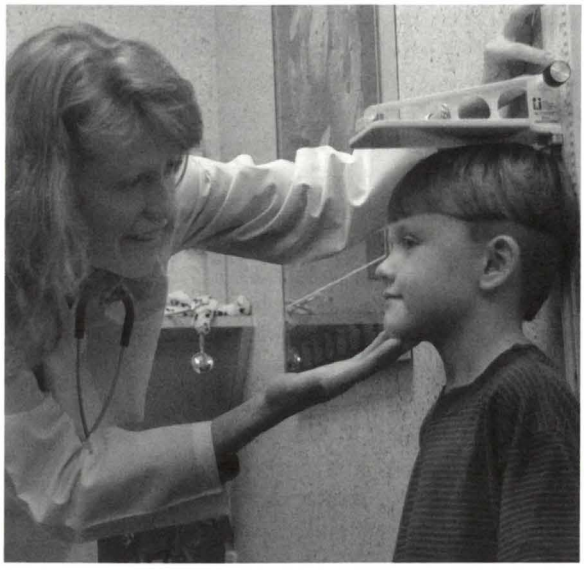

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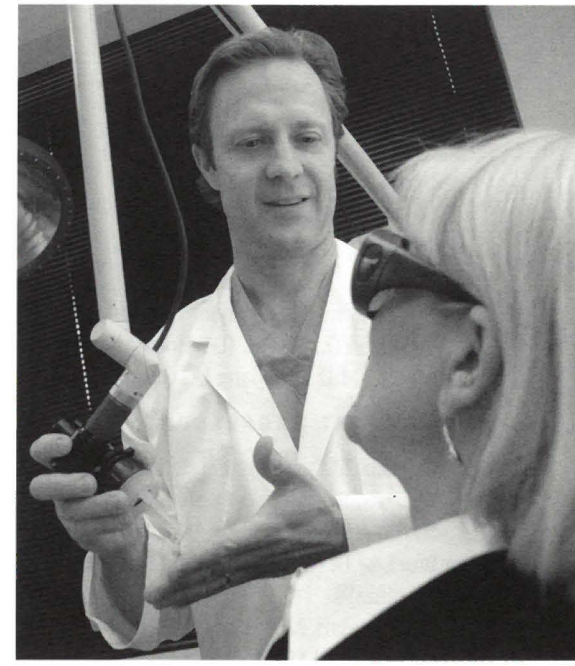

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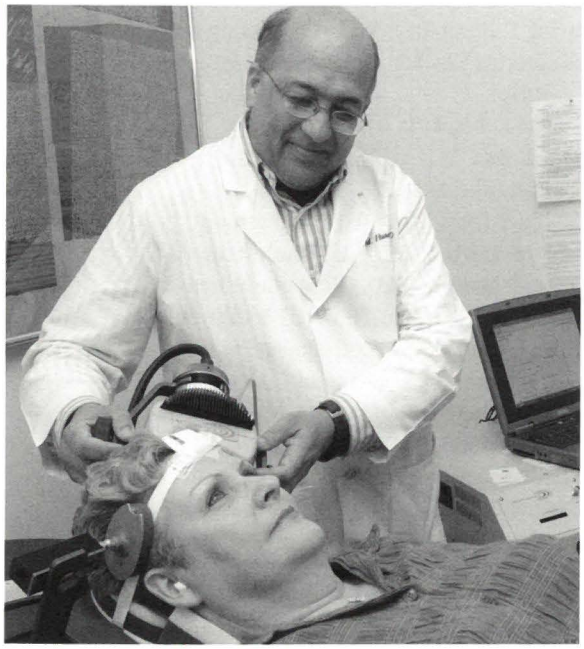

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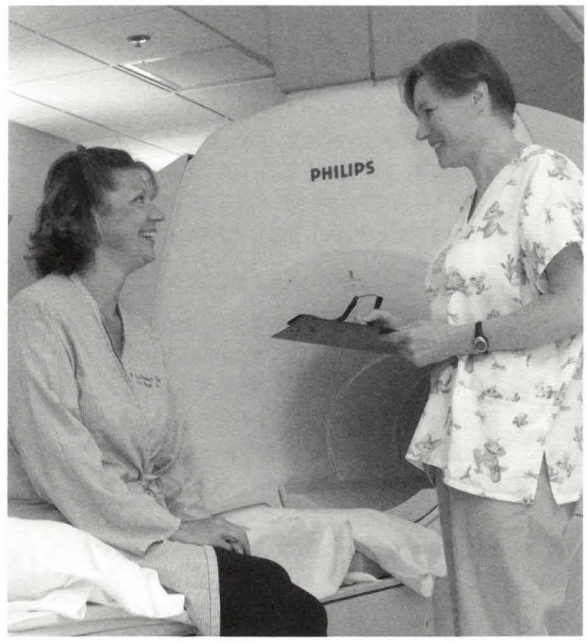

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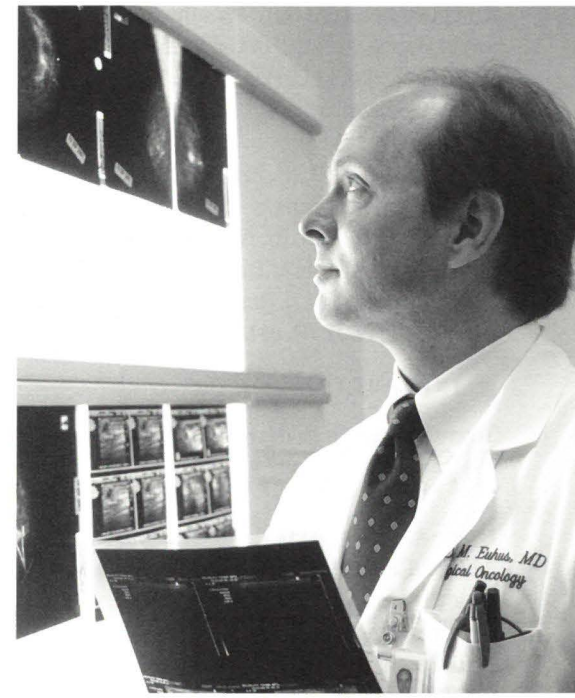

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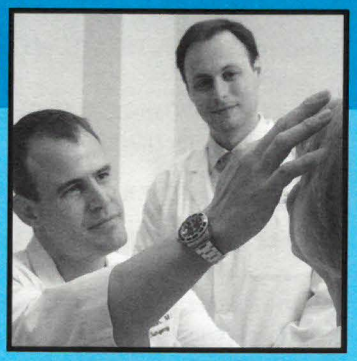
INDEX OF FULL-TIME FACULTY

• anesthesiology and pain management • biochemistry • cardiovascular and thoracic surgery • cell biology • dermatology • family and community medicine • internal medicine • microbiology • molecular biology • molecular genetics • neurological surgery • neurology • neuroscience • obstetrics and gynecology • ophthalmology • orthopaedic surgery • otolaryngology - head and neck surgery • pathology • pediatrics • pharmacology • physical medicine and rehabilitation • physiology • plastic surgery • psychiatry • radiation oncology • radiology • surgery • urology •



INDEX OF FULL-TIME FACULTY

Abdelnaby, Abier, 118
Abdultahman, Ramzi, 115
Aboul-Fettouh, Osama, 69
Abrams, John M., 73
Aceves, Jose, 89, 101
Ackerman, Gary E., 91
Acquino, Victor, 101
Adair, Heather, 107
Adams, Perrie M., 113
Adams, William P., Jr., 108
Addo, Tayo, 81
Adesanya, Adebola O., 69
Adhikari, Soumya, 101
Adinoff, Bryon, 109, 113
Adkins, Carl E., 69
Agarwal, Anil, 81
Agarwal, Nidhi, 81
Aggarwal, Nalini K., 94
Agostini, Mark A., 89
Aguirre, Marco A., 69
Ahmed, Syed A., 69
Ahn, Chul, 73
Al-Arab, Mustafa, 119
Albanesi, Joseph P., 106
Albracht, David, Jr., 81
Alexander, James M., 91
Ali, Aktar, 81
Ali, Farida, 110
Alisharan, Robert, 101
Alizadeh, Hassan, 94
Allen, Terry D., 121
Alto, Neal M., 87
Altshuler, Kenneth, Z., 109
Altshuler, Steven J., 106
Alvarez, Rebeca, 101
Amarasingham, Ruben, 81
Amatruda, James, 81, 101
Ames, Rebecca, 91
Amezcua, Carlos A., 72
Amirkhan, Robin H., 98
Andersen, John, 100
Anderson, Jon A., 116
Anderson, Matthew E., 116
Anderson, Richard G.W., 73
Andersson, A. Stefan, 72, 91
Andujo, Oscar R., 91
Annaswamy, Thiru, 107
Ansari, M. Qasim, 98
Anthony, Amelia, 110
Anthony, Thomas, 120
Antich, Peter P., 115
Appel, Kristine W., 101
Araghizadeh, Farshid, 118
Arbini, Arnaldo, 98
Arbique, Gary, 116
Ardolf, Barry, 110
Ardura, Monica, 103
Arenas, Juan D., 120
Ariizumi, Kiyoshi, 74
Arko, Frank R., 121
Armbruster, Steven C., 69
Arnold, Susan, 89, 101
Arnoldo, Brett D., 117
Arraut, Alfredo, 116
Arriaga, Yull, 81
Asaithamby, Aroumougame, 115
Ashfaq, Raheela, 91, 98
Asolati, Massimo, 120
Atkins, James M., 79, 117
Aubel, Eric, 69
Auchus, Mary, 81
Auerbach, David, 81
Auman, Leonard, 69
Avery, Leon, 87
Awan, Abila, 110
Awodipe, Abinbola, 81
Aymond, Stephanie, 116
Azubogu, Anthonia U., 91
Babb, Tony, 81
Babcock, Evelyn, 116
Babiak, Michael J., 69
Babich, Victor, 83
Bachoo, Robert, 89, 123, 123
Bacsik, Susan L., 101
Bailey, Rebecca, 114
Baker, Douglas, 100
Baker, Linda A., 121
Bakshi, Rajbir, 110
Balgobin, Sunil, 91
Balis, David, 81
Ball, Haydn, 82
Banerjee, Subhash, 82
Barbee, James J., 76
Barber, Robert, 117
Barden, Catherine B., 69
Barker, Bradford T., 99
Barker, Tim D., 75
Barnard, Jeffrey J., 98
Barnes, Aliessa, 101
Barnett, Samuel, 88
Barrera, Richard, 118
Barth, Bradley A., 101
Barton, Fritz E., Jr., 108
Barton, Theresa, 101
Barylko, Barbara, 106
Bash, Robert O., 101
Bass, Sally H., 116
Bassel-Duby, Rhonda S., 87
Bates, Angela, 89
Bates, Dwight, 76
Batz, Richard C., 116
Baum, Michel, 79, 100
Becker, Amy M., 101
Bedimo, Roger, 82
Beers, Sara L., 101
Benitez, Fernando, 117
Bennett, Michael, 79, 98
Bennion, Alka, 91
Bergen, Patricia C., 118
Bergstresser, Paul, 74
Bernstein, Ira, 73, 113
Best, Susan, 109
Bethea, Brian T., 72
Bezprozvanny, Ilya B., 107
Bharucha, Kamal, 101, 106
Bhoja, Ravi, 69
Bhore, Rafia, 74
Bibb, James, 109
Bidic, Sean M., 108
Bierner, Samuel, 107
Biggs, Melanie, 81, 109, 114
Birch, John G., 96
Bird, John Andrew, 101
Birnbaum, Shari, 110
Blackburn, Timothy, 116
Blewett, Christopher, 82
Blome, Bruce, 116
Blomquist, Preston, 94
Bloom, Steven L., 90
Blount, Paul, 107
Blumenschein, Sarah, 101
Bock-Marquette, Ildiko, 72
Bolesta, Michael J., 96
Bonte, Frederick J., 115
Booth, Timothy N., 116
Boothman, David A., 106, 123
Borek, Dominika, 72
Borman, Patricia, 110
Borrelli, Joseph, Jr., 95
Botterman, Barry R., 73

Bourland, Christina M., 101
Bowens, Cindy, 101
Bowers, Daniel, 101
Bowman, R. Wayne, 93
Boyd, Jessamy, 115
Bradshaw, Karen D., 91
Brancaccio, Anne, 82
Branch, Valerie, 84
Brandon, Anna, 74, 110, 114
Brannon, Timothy, 101
Brasier, Cindy, 111
Brekken, Rolf, 106, 120
Brenner, Adam, 109
Brenski, Amy C., 97
Bret, Mary Ellen, 109
Brewer, Karen, 110, 114
Brewington, Cecelia S., 115
Brickner, M. Elizabeth, 81
Briggs, Richard, 79, 113, 115
Brilakis, Emmanouil, 82
Brion, Luc, 100
Brookshire, Gail S., 123
Brotanek, Jane, 101
Brown, E. Sherwood, 109, 114
Brown, Geri, 81
Brown, Irwin H., Jr., 69
Brown, Kathlynn, 82
Brown, Kevin, 111
Brown, Michael S., 79, 88
Brown, Orval E., 97
Brown, Spencer A., 108
Browne, Richard, 96
Browning, Jeffrey D., 82, 122
Browning, Travis, 117
Bruel, Brian, 107
Brugarolas, James, 75, 82
Bruick, Richard, 72
Brumley, Laura L., 101
Bryant, Morris R., 91
Bu, Dawei, 120
Buchanan, George, 100
Bucholz, Robert W., 96
Budhwar, Nitin, 76
Buhner, David, 82
Burgess, Shawn C., 106, 122
Burma, Sandeep, 115
Burner, James D., 99
Burns, A. Jay, 108
Burns, Dennis K., 98
Busczcak, Michael, 87
Busigo, Jason P., 116
Butovich, Igor, 94
Byerly, Matthew, 109
Byerly, Stephanie I., 69
Byrd, H. Steve, 108
Cadeddu, Jeffrey A., 116, 121
Caetano, Raul, 109, 113
Cain, John, 109
Caire, Jacqueline, 116
Cal, Stanley, 82
Cambridge, Barbara S., 91
Cameron, J. Scott, 87, 102
Campagna, Lauri, 99
Cannon, Stephen C., 89
Carlin, Mary E., 102
Carlson, Deborah, 102
Carmack, Patrick, 82
Carmody, Thomas, 74, 110, 114
Carney, Susan F., 92
Carr, Bruce R., 91
Carrick, Kelley, 98
Carroll, Thomas, 82
Carter, Gregory S., 89
Casenave, Gerald, 114
Casey, Brian M., 91
Castillo, Christine, 110
Castrillon, Diego, 99
Cavalier, Maryellen, 102
Cavanagh, H. Dwight, 93
Cavuoti, Dominick, 99
Chadha, Mandeep S., 102
Chaganti, Sridevi, 83
Chalak, Lina, 102
Champine, Julia G., 115
Chan, Danny, 116
Chan, Roger W., 97
Chan, Theresa V., 97
Chang, Alice, 74, 82
Chang, Jin-Jyi, 87, 122
Channabasappa, Nandini, 102
Charsangavej, Nalinda, 103
Chason, David P., 115
Chaudhry, Sameer, 82
Chen, Benjamin Ping-Chi, 115
Chen, Chuo, 72
Chen, Clifford, 102
Chen, David J., 114
Chen, Edward C., 116
Chen, Jake, 72
Chen, James, 87
Chen, Peter, 94
Chen, Po, 73
Chen, Weina, 99
Cheng, Jonathan D., 108
Cheshkov, Sergey, 83, 116
Chew, Susan M., 92
Chiang, Cheng-Ming, 71, 106, 123
Chiao, Hsi, 69
Chin, Kelly, 82
Chitnis, Shilpa, 89
Choi, Changho, 116, 122
Choi, Tak-Shun, 98
Chong, Benjamin, 74
Chook, Yuh Min, 106
Chop, William M., Jr., 75
Choy, Hak, 114
Chuang, David T., 71, 79
Chung, Jin-Sung, 74
Chwialkowski, Michael P., 116
Claassen, Cynthia, 109
Clagett, G. Patrick, 120
Clark, Gregory, 82
Clark, James H., III, 98
Cleaver, Ondine, 87
Click, Robert, Jr., 79
Cobb, Melanie H., 106
Coffey, Amy R., 97
Cohen, Jack B., 74
Cohen, Jonathan C., 79, 123
Colbert, Christopher, 72
Coleman, Jamie, 116
Coleman, Jayne E., 69
Collins, Laura, 81
Collins, Robert, 79
Comerford, Sarah, 88
Commodore, Marius, 110
Conrad, Nicholas K., 87
Contreras, Maurica A., 74
Cook, H. David, 91
Cooper, Donald, 110
Cope-Yokoyama, Sandy, 99
Copley, Lawson A.B., 96
Coppari, Roberto, 82
Corey, David R., 71, 106
Cornwell, Connie, 111
Corton, Marlene M., 91
Courtney, Ardith, 89
Cowan, Christopher, 110
Cox, Jennifer, 102
Cox, Matthew J., 102
Cox, Rody, 79
Cox, Susan M., 91
Craig, Margaret C., 69

Crandall, Craig, 81
Crary, Shelley, 102
Crider, Billy P., 82, 123
Croarkin, Paul, 110
Croft, Carol, 79
Cronin, Robert, 79
Crook, Terri, 99
Cruz, Ponciano D., Jr., 74
Cruz, Roger, 73
Cryer, Byron, 81
Cui, Wei-na, 117
Cullum, C. Munro, 89, 113
Cunningham F., Gary, 91
Curry, George C., 115
Curry, Thomas S., 115
Cuthbert, Jennifer, 79
Dacey, Sarah, 103
Dal Nogare, Anthony, 79
Das, Amit, 115
Das, Sandeep, 82
Dashe, Jodi S., 91
Dasheiff, Richard, M., 89
Dave, Nilesh, 82
Davenport, Owen, 69
Davidson, Ingemar J., 120
Davila, Raquel, 82
Davis, Dan, 69
Davis, Laurie, 81
Davis, Scott, 89
Day, Michael, 102
DeBerardinis, Ralph, 101, 123
DeBose-Boyd, Russell, 88
De Brabander, Jef, K., 71, 123
DebRoy, Meelie A., 120
deGravelles, Eliot, 110
DeHaven, Mark, 73
Deisenhofer, Johann, 71
de la Morena, Maria, 81, 101
Delaney, Kathleen, 79, 117
de Lemos, James, 81
De Leon, Luis, 122
Delgado-Ayala, Mauricio R., 89
Dellaria, Suzanne, M., 69
DeMartino, George, N., 107
Denton, Wayne H., 114
Desai, Dev M., 120
Deschner, Martin, 114
Dev, Deepak, 110
Dev, Devasmita, 81
Devillier, Britton, 102
Devous, Michael D., 115
Dewey, Richard B., Jr., 89
Dhar, Archana, 102
Dharia, Ami K., 102
Diaz-Arrastia, Ramon, 89
Dibs, Susan D., 102
Dickson, Bryan A., 101
DiClemente, Michael J., 76
Diehl, Jan T., 115
Dietrick, John, D., 76
Dietschy, John, 79
Dietz, Geral W., 116
Diggs, Roderick P., Jr., 91
Dillenbeck, Jeanne M., 116
DiMaio, J. Michael, 72
Dimas, Vivian, 102
Ding, Chuxiong, 115
Ding, Liang-Hao, 115
Di Sole, Francesca, 83
Do, Huy, 69
Dobbie, Alison, 75
Dodds, Jeffrey, 110
Dolmatch, Bart L., 115
Douglass, Debra S., 72
Douning, Linda K., 69
Dowell, Jonathan, 81
Dowling, Michael M., 89, 102
Drazner, Mark, 81
Drechsler, Henning, 82
Drew, Linda, 110
Du, Kim, 94
Du, Xinli, 72
DuChamp, Philip J., 69
Dunn, Fredrick, 81
Dyer, Tracy J., 99
Eagar, Todd N., 79, 89
Eapen, Reenu S., 102
Eberhart, Robert C., 118
Eichenwald, Heinz, 100
Eisch, Amelia, 109
Elias, Carol, 82
Elliot, Alan, 74
Elliott, Jeffrey L., 89
Ellis, Edward, III, 119
Elliston, Bruce, 76
Elmquist, Joel K., 79, 106, 109
Elsharydah, Ahmad, 69
Emmett, Gloria, 110
Emslie, Graham, 109, 113
Engle, William D., 101
Ennis, Becky J., 102
Epstein, Robert H., 116
Erdman, William A., 115
Errami, Mounir, 83
Eshaghi, Nahid, 116
Esser, Victoria, 81
Estabrook, Ronald W., 71
Estes, Keith, 72
Estess, Pila, 99
Estrera, Aaron S., 72
Etezadi-Amoli, Neda, 91
Eubank, Kathryn, 82
Euhus, David M., 120
Evans, Harry M. "Monty," 114
Evans, Patricia A., 89, 101
Evans, Rebecca S., 116
Evans, W. Phil, 115
Ewing, Gene E., 98
Ewing, Philip, 102
Ezaki, Marybeth, 96
Factor, Dennis J., 91
Fagelman-Birk, Diane, 109
Fairchild, Elizabeth S., 91
Falck, John R., 71, 106
Fang, Yisheng Vincent, 99
Farrar, J. David, 79, 87
Faucher, Maryann, 91
Favour, Susan, 82
Fayiga, Yomi, 118
Fehr, Bettina, 110
Feiner, Joel, 109
Feliciano, M. Nicholas, 99
Felmy, Joann V., 76
Feng, Pinghui, 87
Feng, Sing-Yi, 102, 118
Feranchak, Drew, 102
Fernandez, Ernesto M., 102
Ferree, Thomas, 116
Ferris, Caroline G., 69
Finn, Richard A., 73, 119
Finnegan, Maureen A., 96
Fischer, Anne, 120
Fischer Lindahl, Kirsten, 79
Fitz, J. Gregory, 79
Fitzgerald, John, 81
Fixler, David, 100
Fleischman, Cheryl, 107
Flores, Glenn, 100
Floyd, Jeffrey K., 72
Foglia, Robert, 119
Fong, Y. Erika, 99
Fontoura, Beatriz, 73
Foong, Chan Choy, 100

Forbess, Joseph M., 73
Forestner, John E., 69
Forman, James, 79
Forst, Christian, 74
Foster, Daniel, 79
Foster, David, 83
Foster, John, 82
Foster, Ryan, 115
Fowler, Raymond L., 117
Francis, David G., 69, 89
Frankel, Heidi, 117
Frantz, Douglas, 72
Freeman, Marlene P., 91
Frenkel, Eugene, 79
Fribley, Corinne, 110
Friedberg, Errol C., 98
Froehlich, Thomas, 81
Frohman, Elliot M., 89, 94
Frol, Alan, 114
Fu, Chiawan "Wendy," 69
Fu, Qi, 82
Fuda, Franklin S., 99
Fulmer, Rita, 107
Gabriel, Vincent, 107
Gala, Rajiv B., 91
Galindo, Rene L., 99
Gan, Vanthaya, 101
Gander, Rita M., 98
Gant, Norman, 91
Gao, Boning, 106
Gao, Jinming, 106, 123
Gao, Ning, 108
Garcia, Christine K., 82, 123
Garcia, Jose E.L., 69
Garcia, Nilda M., 119
Garcia-Martinez, J. Victor, 79, 87
Gardner, Kevin H., 72, 106
Garg, Abhimanyu, 79
Garg, Vidu, 102, 123
Garner, Harold R. "Skip," 71, 79, 123
Garner, Leslie B., 102
Garrard, William T., 79, 87
Garrett, Robert, 110
Garuti, Rita, 83, 123
Garwood, Dan P., 114
Gasanova, Irina, 70
Gattineni, Jyothsna, 102
Gazdar, Adi F., 98
Geiger, Joseph F., 76
Genta, Robert, 79
Gentilello, Larry, 117
Gerard, Robert D., 81, 87
Gerber, David S., 82
German, Dwight C., 109, 113
Germann, Julie, 110
Ghetie, Maria-Ana, 87
Ghose, Subroto, 110
Gibbin, Candace, 102
Gibson, Jay R., 90, 107
Giesecke, A.H. "Buddy," Jr., 69
Gill, Kevin, 96
Gill, Michelle, 102
Gilles-Gonzales, Marie-Alda, 72
Gillette, Thomas, 107
Gilman, Alfred G., 106
Gilmore, Jim E., 97
Gilpin, Christopher, 73
Gimi, Barjor, 116
Gimpel, Nora, 76
Ginther, Richard, 73
Girard, Luc, 106
Girgis, Magda, K., 69
Girod, Carlos, 81
Glasier, Paul, 110
Glazer, Craig S., 76, 82
Glover, Chris, 70
Goertz, Roland A., 76
Goetz, Lance, 107
Goldberg, Matthew S., 89, 109
Goldsmith, Elizabeth J. "Betsy," 72
Goldsteen, Robert, 81
Goldstein, Joseph,L., 79, 88
Gomez, Ana M., 99
Gonzales, Cristina, 84
Goodman, Joel M., 106
Gopinath, Kaundinya, 83, 116
Gordon, Catherine, 82
Gore, Lauren, 102
Gorney, Ronald, 73
Goto, Collin, 101
Gotte, Alisa C., 103
Gottschalk, Frank A., 96
Graff, Jonathan M., 75, 82, 87
Graham, Carol A., 92
Grannemann, Bruce, 111
Grant, Lafaine, 82
Gray, Kevin, 89, 109
Gray, Toby, 99
Green, Gordon, 75
Greenberg, Benjamin, 89
Greene, Robert, 109
Greenway, Kathryn, 116
Greer, Tracy, 110
Gregg, Clark, 79
Greilich, Nancy B., 69
Greilich, Philip, E., 69
Griffin, James, 79
Griffin, James D., 69
Griffith, Karl E., 69
Griffith, William F., 91
Grimes, Clarice L., 91
Grinnell, Frederick L., 73
Grishin, Nick V., 72
Grishman, Ellen, 103
Grollman, Jamie, 110
Gross, Jami, 110
Grubb, Bethany L., 74
Gruchalla, Rebecca, 79
Grundy, Scott, 74, 79
Gruntmanis, Ugis, 81
Gruszecki, Amy C., 99
Guild, Jeffrey, 116
Gul, Fatma, 107
Guleserian, Kristine, 73
Gunes, Seval, 69
Guo, Caixia, 99
Gupta, Samir, 82
Gupta, Shubham, 83
Gurguis, George, 109
Guth, Eve, 82
Gwin, Chester, III, 99
Haberland, Michael, 87
Habib, Amyn, 89
Hackney, Gail O., 70
Hager, Frederick A., 115
Hagler, Herbert K., 98
Hales, David, 82
Haley, Barbara, 79
Haley, Robert, 80
Hall, Catherine, 82
Hall, Christiana, 89
Haller, Ronald G., 80, 89
Halm, Ethan, 74
Halvorson, Lisa M., 91
Ham, Melissa R., 102
Hamid, Cherine, A., 91
Hammer, Robert, 72
Hammes, Stephen R., 106
Hamra, Franklin K., 106
Han, Mei, 82
Han, Ming-Hu, 111
Hansen, Eric J., 87
Hao, Yi-Heng, 88

Harder, Lana, 110
Hardy, Robert, 81
Harford, William, 80
Harker-Murray, Amy, 82
Harker-Murray, Paul, 102
Harn, Laura K., 102
Harper, Donald R., 70
Harrison, Clanton B., 121
Harrison, Yaprak, 109
Hart, John, Jr., 89, 109
Hashim, Ibrahim, 98
Hatanpaa, Kimmo, 99
Hayee, Muneeza, 110
He, Yu-Guang, 94
Heartsill, Colleen, 70
Heck, Ellen, 94
Hedayati, Susan, 82
Heistein, Lisa C., 102
Heller, Karen, 100
Helm, Phala, 107
Hendrickse, Will, 109
Hendrixson, David, 87
Henkemeyer, Mark, 75
Hennes, Halim, 101
Henry, Desmond B., 69
Henry, Pamela, 92
Henry, R. Stanley, 119
Herazo, Luis F., 70
Herman, John, 109, 113
Herndon, Emily, 99
Herring, John A., 96
Herz, Joachim, 88
Heyne, Cynthia, 70
Heyne, Joseph, 120
Heyne, Roy J., Jr., 101
Hicks, Barry A., 119
Hicks, Patricia J., 101
Hiesinger, P. Robin, 107
Hilgemann, Donald W., 80, 107
Hill, Gary E., 69
Hill, Jennifer, 83
Hill, Joseph A., 80, 87
Ho, Christine, 96
Ho, Y.K. 88
Hobar, P. Craig, 108
Hobbs, Helen H., 80, 88, 123
Hodgson, Hilary, 110
Hodics, Timea, 89
Hoenig, Avery, 110, 114
Hoffman, Barbara L., 91
Hofmann, Sandra, 80
Hogan, R. Nick, 89, 94
Holavanahalli, Radha, 107
Holbein, Blair, 74
Holper, Elizabeth, 81
Holt, Shelby B., 118
Hood, Jacqueline, 110
Hooper, Lora, V., 79, 87
Hoopman, Todd, 82, 87
Hooser, C. Wally, 116
Horn, Claire, 81
Hornberger, Brad, 121
Horsager-Boehrer, Robyn, 91
Horton, James G., 76
Horton, Jay D., 80, 88
Hosur, Srikanth, 70
Houpt, Karen R., 74
Howell-Stampley, Temple, 82
Howerton, Dena C., 92
Hoxworth, Ron E., 108
Hsia, Connie, 80
Hsieh, Jer-Tsong, 121
Hu, Jian, 107
Hu, Ming-Chang, 83
Hua, Randy, 94
Huang, Chou-Long, 80
Huang, Craig J., 102
Huang, Hao, 122
Huang, Jianlan, 88
Huang, Jun-Shen "Lily," 73
Huang, Theresa, 116
Huang, Xianming, 106
Huber, Kimberly M., 90
Hudak, Anne, 107
Hudson, Karma, 110
Huerta, Sergio, 119
Huet, Beverley, 74, 82
Hughes, Carroll, 109, 113
Hughes, Randall, 81
Hunt, John L., 117
Huntley, Jason F., 87
Huo, Michael H., 96
Husain, Mustafa, 80, 109, 113
Husseini, Ziad M., 94
Hutchison, Michele, 102
Huth, James F., 120
Hynan, Linda, 74, 114
Iannacone, Susan T., 89, 101
Ibrahim, Hicham, 110
Idris, Ahamed, 80, 117
Igarashi, Peter, 80
Ikemba, Catherine, M., 102
Im, Benjamin H., 70
Inman, Lindsey R., 98
Inrig, Stephen, 74
Isaacs, S. Marshal, 117
Isaacson, Brandon, 97
Iscla, Irene R., 108
Itani, Kamel, 94
Iyengar, Anjali, 82
Iyer, Chandramouli P., 70
Iyer, Sandhya, 94
Jackley, Patricia, 110
Jackson, Greg, 101
Jackson, Linda, 94
Jacobe, Heidi T., 74
Jahrmarkt, Michael L., 76
Jain, Mamta, 82
Jaleel, Mambarath, 102
James, Leighton, 82
Janis, Jeffrey E., 108
Janowski, Bethany, 106
Jarrett, Robin B., 109, 113
Jeffrey, F. Mark, 116, 122
Jenkins, Celia, 109
Jessen, Michael E., 72
Jia, Kialiang, 83
Jiang, Jin, 75, 106
Jiang, Li, 106
Jiang, Qiu-Xing, 73
Jiang, Youxing, 107
Jin, Eunsook S., 122
Joglar, Jose, 81
John, George B., 100
Johnson, Brett A., 76
Johnson, Edward R. "ERJ," 69
Johnson, Jane E., 90, 106
Johnson, Mark D., 89
Johnson, Neysa, 91, 110
Johnson, Romaine F., 97
Johnson-Welch, Sarah F., 98
Johnston, Charles, 96
Johnston, John M., 71
Joho, Rolf H., 90
Jones, F. Ray, Jr., 94
Jones, Patricia M., 98
Jones, Robert, III, 80
Jones, William H., 70
Jordan, Kirk G., 116
Josephs, Shellie C., 116
Joshi, Girish P., 69
Jotterand, Fabrice, 74, 110
Journeycake, Janna M., 102

Kabbani, Wareef, 99
Kahn, Jeffrey, 101
Kalidindi, Vijay, 101
Kamm, Kristine E., 107
Kandala, Geeta, 107
Kandil, Enas S., 70
Kang, Sunjun, 102
Kannan, Subhasri, 82
Kapu, Nagarajani, 70
Kapur, Payal, 99
Karandikar, Nitin, 79, 89, 99
Karni, Catherine, 109
Karol, Lori, 96
Karp, David, 81
Kashner, Michael, 74, 109, 113
Kastner, Galit, 70
Kato, Masato, 82
Kaur, Kiran, 73
Kavalali, Ege T., 90, 107
Kay, Libby L., 111
Kazi, Farhana, 82
Kedzierski, Wojciech, 94
Keefer, Edward W., 108
Kelley, Urszula, 109
Kelly, Cindy K., 69
Kelly, Nancy R., 101
Kenkel, Jeffrey, 108
Kennard, Beth, 109, 114
Kennedy, Damon, 72
Kerber, Irwin J., 91
Kern, Frank, 69
Kernie, Steven, 75, 101
Kerr, Jeffrey D., 76
Kettman, John R., 79
Keyes, Elizabeth, 103
Khan, Saadat Ali, 89, 102
Khera, Amit, 82
Kilic, Gordan, 82
Kim, Andrea, 111
King, Richard D., 89
Kinkade, Scott E., 76
Kircher, Stephen, 116
Kirk, Lynne M., 75, 80
Kishi, Toshiro, 82, 110
Kitchens, Richard, 81
Klein, Kevin W., 69, 97
Kleinschmidt, Kurt C., 117
Klemow, Steven, 82
Klemow-Reed, Dawn, 82
Klesse, Laura, 102
Kliewer, Steven, 87, 106
Knapton, Susann, 107
Koch, Joshua, 102
Koch, Justin L., 70
Kodibagkar, Vikram, 116
Koduri, Padmavathi, 82
Kodym, Reinhard, 115
Koehler, Heidi, 110
Koester, Donald R., 76
Kohler, Jennifer, 72, 82
Kooner, Karanjit S., 94
Koral, Korgun, 116
Korman, Maurice, 113
Kotti, Tiina, 88
Kovacs, William, 80
Kovacs, Zoltan, 122
Kovic, Robin Nova, 116
Kowalske, Karen J., 106
Kozel, Frank Andrew, 110
Krämer, Helmut, 73, 90
Krawczyk, Daniel, 110
Krebaum, Steven, 110, 114
Krippner, William J., Jr., 69, 88
Krohn, Patricia, 107
Kublaoui, Bassil, 82, 102
Kulkarni, Padmakar, 115
Kumar, Mithilesh, 116
Kumar, Premlata, 72
Kumar, Udhay, 82
Kurian, Benji, 110
Kuro-o, Makoto, 99
Kutz, Joe Walter, 97
Kwak, Youn-Tae, 82
Kwon, Hyock, 71
Kwon, Jeannie K., 116
Labat, Dana, 110
Lacour, Thomas A., 69
Lacritz, Laura, 114
Lagamarsino, Elizabeth, 116
Lameh, Rahele, 76
LaMontagne, Darci, 74
Lampe, Charles, 82
Lampe, Kristen, 82
Landay, Michael J., 115
Lankford, Janice, 91
Lara, Luis, 82
Lau, May, 102
Laughlin, Michael W., 116
Lawhon, Janet, 110
Laycock, Royce, 118
Lazarus, Mary, 110
Le, Lu, 74
Le, Nhan "Dennis," 110
Lea, Jayanthi S., 91
Leach, Joseph L., 97
Leach, Steven, 80
Leavey, Patrick, 101
Lee, Benjamin, 102
Lee, Dale, 103
Lee, Jae Kyung, 108
Lee, Jessica, 89
Lee, Kenneth H., 97
Lee, Kyung-Jong, 115
Lee, Michael C., 102
Lee, Simon Craddock, 74
Lee, William, 80
Lee, Young, 82
Lehrman, Mark A., 106
Leitch, A. Marilyn, 120
Lemack, Gary E., 89, 121
Lemecha, Dorothy, 118
Lemeshev, Yuri, 99
Lemler, Matthew S., 101
Lenkovsky, Fima, 70
Leonard, David, 74, 82
Leonard, Steven, 73
LePage, James, 109
Leveno, Kenneth J., 91
Levine, Benjamin, 80
Levine, Beth, 80, 87
Levinson, Barry, 81
Levitz, Ruth, 103
Levy, Fiona H., 101
Lewis, Cheryl, 120
Lewis, Matthew, 116
Li, Hsiao-Ching "Jenny," 82
Li, Jingbo, 70
Li, Qin, 108
Li, Quan Zhen, 79, 82
Li, Shuxin, 89
Li, Wei-Ping, 73
Li, Wen-hong, 72, 73
Liang, Guosheng 88
Liang, Lawrence W., 70
Lilly, Steven, 82
Lin, Fangming, 102
Lin, Qihua, 74
Lin, Rueyling, 87
Lin, Weichen, 90
Lind, Lisa, 110
Lingvay, Ildiko, 82
Linver, Eron, 102
Liss, Deanna, 114

Lister, George, 100
Littles, Xercerla, 91
Liu, Bo, 82
Liu, George T., 96
Liu, Hanli, 118
Liu, Kui, 83
Liu, Li, 117
Liu, Qinghua, 72
Liu, Songling, 82
Liu, Xiao-yun, 122
Liu, Xinran, 90
Liu, Yanjie, 73
Liu, Yi, 107
Liu, Zhi-Ping, 82
Livingston, Edward H., 118
Lloyd, Jessica L., 102
Lo, Julie Y., 91
Lo, Matthew, 82
Lopez, Cheryl, 94
Lopez, Jorge, 116
Lotan, Yair, 121
Lu, Christopher, 80
Lu, Hanzhang, 116, 122
Lu, Jui-Yun, 83
Lu, Ming Fang, 84
Lu, Qing Richard, 75, 87
Lu, Yue-Shoung, 98
Luber, Samuel D., 118
Luby, James, 80
Luckett, Peter M., 101
Luebke, Kevin, 82
Lum, Lawrence, 73
Lunt, Peter G., 70
Luo, Xiang "Sean," 84
Luo, Xuelian, 106
Lutter, Michael, 110
Lynch, Kristen 72
Ma, Lan, 106
Ma, Zhenyi, 84
Maalouf, Naim, 82
Macaluso, Amy D., 69
MacDonald, Ray J., 87
Machius, Mischa, 72
MacMillan, John, 72
Madden, Christopher J., 88
Maddrey, Ann Matt, 110, 114
Maddrey, Willis, 80
Madison, Leonard, 79
Madson, Katherine L., 102
Mahendroo, Mala, 91
Maher, Elizabeth A., 90, 123, 123
Maher, Joseph F., 81, 123
Mahony, Lynn, 101
Mainesi, Jean, 87
Makary, Laila F.H., 70
Malik, Rabia, 76
Malloy, Craig R., 80, 115, 122
Mammen, Pradeep, 82
Mancuso, Peggy J., 92
Mang, John E., 116
Mangelsdorf, David J., 72, 106
Manrique, Raul Cubillas, 84
Mansour, John, 120
Manzuri, Shai, 103
Mao, Weihua, 115
Marches, Radu, 87, 122
Marengo, Jason, 120
Margraf, Linda, 98
Marinescu, Rodica C., 103
Markham, David, 82
Marks, Gerald, 110
Marple, Bradley F., 97
Martinez, Joseph, N., 118
Martinez Fernandez, Tanya, 102
Marull, Javier H., 70
Mason, Ralph P., 115
Masood, Mohtaram, 84
Matevosyan, Karén, 99
Mathai, Samuel, 110
Mathews, Dana, 89, 115
Mau, I-Fan Theodore, 97
Mayes, Taryn, 111
Mburu, Albert, 84
McCall, David T., 76
McCallon, Denise, 110
McClain, Joni L., 99
McClard, Karen, 103
McClay, John E., 97
McClelland, Robert N., 118
McClintock, Shawn, 110
McClung, Colleen, 110
McClung, Hugh, 81
McColl, Roderick W., 116
McConnel, Charles E., 75
McCord, Eddie H., 91
McCracken, George, Jr., 101
McCrea, Robert S., 91
McCreight, Audra L., 102
McCulley, James P., 93
McCurnin, Donald, 101
McDaniel, Lisa, 99
McDonald, Jeffrey, 88
McDonald, Julia A., 102
McDonald, Millicent L., 70
McDonald, Noelle, 110, 114
McDonald, Stacy R., 100
McFarland, Warren, 116
McGregor, Tamara L., 76
McGuire, Darren, 81
McGuire, Michael, 82
McHenry, John G., 94
McIntire, Donald D., 91
McKearin, Dennis, 87
McKinnis, Elizabeth, 82
McKnight, Steven L., 71
McMillan, Randy D., 102
McPhaul, Michael, 80
Meador, Karen E.S., 102
Medin, Paul M., 114
Megison, Stephen M., 119
Megraw, Timothy, 106
Mehta, Amit, 103
Mejias, Asuncion, 102
Melegari, Margherita, 83
Mendelsohn, Dianne B., 115
Mendelson, Carole R., 72, 91
Mendelson, Edward, 94
Mendez, Michelle, 107
Meng, Jin, 70
Mercier, David W., 70
Merritt, Matthew E., 116, 122
Merwat, Shehzad, 83
Metzger, Jeffrey C., 118
Meyappan, Raju, 102
Meyer, Bruce A., 91
Meyer, Dan M., 72
Meyerhoff, William L., 97
Mezera, Kimberly, 96
Michael, Carmen, 113
Michaely, Peter, 73
Mickey, Bruce E., 88, 97
Milchgrub, Sara, 98
Miles, Darryl K., 102
Miles, Jane, 110
Miller, Adam H., 118
Miller, Bonnie, 83
Miller, David S., 91
Miller, Deborah A., 110
Miller, Ronna G., 118
Minei, John, 117
Mineo, Chieko, 102
Miner, Michael E., 88
Minhajuddin, Abu, 74

Minkes, Robert, 119
Minna, John D, 80., 106
Mitchell, Damien, 103
Mithilesh, Shubhada, 83
Mittal, Naveen, 101
Mittal, Vineeta, 102
Mizrachi, Dario, 84
Modrall, J. Gregory, 121
Modur, Predeep, 89
Moe, Orson W., 80, 107
Mogbo, Kirsten Ice, 116
Mohan, Chandra, 79, 80
Mohl, Paul, 109
Mohsin, Intikhab, 70
Molberg, Kyle H., 98
Mompoint, Alex, 107
Monson, Nancy L., 79, 90
Monteggia, Lisa, 110
Moola, Muralidhar, 83
Moon, Young-Ah, 88
Moore, Daniel S., 116
Mootha, Sudha, 102
Mootha, Vinod, 94
Mootz, B. Lee, II, 69, 88
Mora, Pablo, 81
Moran, Brett, 81
Morey, Allen F., 121
Morgan, Howard W., Jr., 88
Morrill, Kevin C., 88
Morris, David, 110
Morriss, Frances C., 69
Morriss, M. Craig, 116
Morse, M. Lisa, 69
Moschos, Elysia, 91
Motoike, Toshiyuki, 88
Muallem, Shmuel, 107
Mukherjee, Bipasha, 115
Mukherjee, Shibani, 111
Mullican, Mary Ann, 116
Mullins, Charles, 79
Mulson, Kimberly, 102
Mumby, Marc C., 106
Mumby, Susanne M., 106
Mummert, Mark E., 74
Murphy, Joseph, 119
Murray, Gayle, 103
Myers, Larry L., 97
Nakamura, Alyson, 110
Nakonezny, Paul, 74
Naqvi, Syed K., 102
Naseem, Rao-Haris, 83
Nasir, Dawood, 70
Nations, Sharon P., 89
Navarro, Erika, 110
Naylor, Rebekah, 119
Nazeer, Shameem, 118
Neaville, William A., 83, 102
Nedzi, Lucien A., 115
Nelson, John, 100
Nesbitt, Shawna, 81
Neunert, Cindy E., 103
Nguyen, Benjamin, 106
Nguyen, Phuc D., 116
Nichols, Michelle, 110
Niederkorn, Jerry Y., 87, 94
Nirodi, Chaitanya S., 115
Noland, Daniel K., 99
Norcross, James, 110
Norgard, Michael V., 86
North, Carol M., 109, 117
Novakovic, Roberta, 89
Nugent, Alan, 101
Nussenzveig, Daniel R., 99
Nwariaku, Fiemu, 118
Obel, Owen, 83
Obi, Cyril, 83
Ochani, Teekam, 70
Ochei, Dennis O., 76
O'Connell, Ellen J., 118
Oden, Jon D., 102
Odvina, Clarita, 81
Ogunnaike, Babatunde O. "Tunde," 69
Oishi, Scott N., 108
Okada, Pamala J., 101
Oldfield, Sherry, 92
Oliver, Dwight, 99
Olomu, Patrick, 70
Olsen, Nancy, 80
Olson, Eric N., 87
Omar, Hythem, 116
O'Neal, Barry, 83
Orenstein, Harry H., 108
Orlino, Angela, 83
Orsak, Catherine, 110
Orth, Kim, 87
O'Suilleabhain, Padraig E., 89
Osuji, Julian, 114
Ottomanelli, Lisa, 107
Otwinowsky, Zbyszek, 72
Outlaw, Elesyia, 115
Oyula, Ignatius, 84
Oz, Orhan, 116
Packer, Milton, 73, 80
Pagels, Patti, 76
Paladugu, Mythili, 70
Palmer, Biff, 80
Palmer, David O., 70
Pandove, Sandeep, 83
Pandya, Amit G., 74
Papiez, Ewa, 115
Papiez, Lech, 115
Parada, Luis F., 75
Parameswara, Vinay, 84
Parker-Hudson, Courtney B., 76
Parkey, Robert W., 115
Parks, Elizabeth, 83
Parr, Dawn, 72
Pasare, Chandrashekhar, 79
Pascual, Juan M., 90, 107
Patel, Ashish S., 102
Patel, Kalpesh, 102
Patel, Reina, 102
Patterson, Allen E., 76
Paulk, M. Elizabeth, 81
Pawlowski, Karen S., 97
Payne, Deborah A., 99
Pearle, Margaret S., 80, 121
Pearson, Gray, 106
Pearson, Mary Jane, 91
Pena, Eneysis, 102
Penfield, Jeffrey, 83
Peng, Yan, 99
Pengetnze, Yolande, 103
Pennant, John H., 69
Pepe, Paul, 80, 117
Perez, Beverly J., 69
Perez, Carlos, 116
Perez Fontan, Julio, 100
Perone, Jennifer, 74
Perry, Malcolm O., 121
Pertsemlidis, Alexander, 83, 123
Peshock, Ronald, 80, 116
Pessa, Joel E., 108
Peterson, Dolores, 81
Peterson, Gail, 81
Peterson, Julian A. "Bill," 72
Peterson, Walter, Jr., 79
Petroll, W. Matt, 94
Pfeifer, Dennis, 116
Pfeiffer, Julie K., 87
Phelan, Amy, 106
Phelan, Herb, 117
Phelps, Katherine, 73

Phillips, Margaret A., 106
Pieper, Andrew, 110
Pierce, Ava E., 118
Pierce, Damon, 121
Pinkard, James Keith, 99
Pishko, Stephen, 103
Pistenmaa, David A., 114
Pitafi, Ali, 84
Pitcher, William, 80
Podeszwa, David A., 96
Pohar, Selvi, 69
Polanco, Elizabeth, 83
Pop, Laurentiu, 122
Porter, John C., 91
Porter, Stephanie A., 103
Porteus, Matthew, 71, 102
Posamentier, Mette, 84
Potts, Patrick Ryan, 71
Powell, Craig, 89, 110
Powell, Jerry, 116
Prange-Kiel, Janine, 73
Prejean, Edward J., III, 70
Prestidge, Claude, 102
Pride, G. Lee, 88, 116
Provost, David A., 118
Pruitt, Jeffrey H., 116
Punaro, Marilynn, 101
Purdue, Gary, 117
Purdy, Phillip D., 88, 116
Putta, Lakshmidevi V., 76
Puzziferri, Nancy, 119
Qu, Bao-Xi, 90
Quigley, Raymond, 101
Quinn, Charles T., 102
Quinn, John, 110
Quinones, Henry, 83
Quinton, Reade A., 99
Race, Elizabeth, 81
Race, George J., 98
Radford, Lee, 116
Radha, Akella, 72
Raff, Susan A., 102
Rafferty, Michael, 110
Rafique, Adnan, 70
Raisanen, Jack M., 99
Raj, Ganesh V., 121
Raj, Guna, 80
Raja, Harikrishna, 81
Rajora, Nilum, 83
Rakheja, Dinesh, 99
Ramaciotti, Claudio, 101
Ramadugu, Rajeev, 84
Raman, Lakshmi, 102
Ramilo, Octavio, 101, 122
Ramjee, Vinodh, 119
Ramos-Roman, Maria, 83
Ranganathan, Rama, 106
Rao, Roshni, 120
Rao, Shobha S., 76
Rao, Uma, 109, 113
Raskin, Philip, 80
Rastogi, Padmashri, 83
Rathjen, Karl, 96
Ravnik, Stuart, 73
Rawson, Robert B., 88
Raza, Ahmad, 109
Razi-Syed, Saba, 110
Ready, Joseph M., 72
Reed, W. Gary, 80
Rege, Robert V., 117
Reilly, Robert F., 80, 107
Reimold, Andreas, 83
Reimold, Sharon, 81
Reinert, Carol G., 94
Reinert, Charles, 96
Reisch, Joan S., 74, 75, 113
Ren, Jimin, 122
Repa, Joyce, 83, 107
Revell, Paula A., 99
Rezai, Maryam, 110
Rhee, Chanhaeng, 83
Rice, Luke, 71
Richards, B. Steves, 96
Richardson, James A., 87, 98
Rickert, Kim, 117
Ring, W. Steves, 72
Ringe, Wendy, 114
Rinnert, Kathy J., 118
Rivas, Homero, 119
Rivera, Fernando, 117
Rivera-Sanchez, Yadira, 102
Rizo-Rey, José, 72, 106
Roaten, Shelley P., Jr., 75
Roberts, Scott W., 91
Robertson, Danielle M., 94
Robertson, Scott, 88
Roche, Vivyenne, 81
Rockey, Don, 80
Rodriguez, Ricardo, 72
Rodriguez-Baez, Norberto, 102
Roehrborn, Claus G., 121
Rogers, Beverly, B., 98
Rogers, Thomas E., 98
Rogers, Vanessa L., 91
Rogers, Zora, 101
Rohrich, Rod J., 73, 108
Roland, Peter S, 88., 97
Rollins, Nancy K., 116
Roppolo, Lynn P., 118
Rosen, Michael K., 72, 106
Rosen, Robin S., 91
Rosenberg, Roger, N., 89
Rosenblatt, Randall, 80
Rosenfeld, Charles R., 91, 101
Ross, Elliott M., 106
Rossi, Renee M., 97
Roth, Michael G., 72
Roth, Shanan, 110
Rothenfluh, Adrian, 110
Rothermel, Beverly, 83
Rozen, Shai M., 108
Rubenfeld, Arnold D., 97
Rubenstein, Jody, 110
Rubin, Craig, 80
Russ, William P., 106
Russell, David W., 88
Russo, Michael A., 102
Rutherford, Cynthia, 80
Rutherford, John, 80
Ryan, Matthew W., 97
Rypma, Bart, 110
Sadler, John Z, 74, 109
Safavi, Z. Farzaneh, "Fay," 69
Sagalowsky, Arthur I., 121
Saha, Debabrata, 115
Said, Rana R., 89, 102
Sailors, Joseph L., 99
Saint-Cyr, Michel, 108
Sakamoto, Aya Hamao, 119
Sakhaee, Khashayer, 80
Salzberger, Lynn A., 99
Sam, Colleen, 83
Samchukov, Mikhail, 96
Sampson, Cheryl, 83
Samson, Duke S., 88
Sanchez, Pablo, 101
Saner-Amigh, Karla, 91
Sanghavi, Rinarani, 103
Santangelo, William, 81
Santiago-Munoz, Patricia, 91
Sarode, Ravindra, 98
Sarode, Venetia, 99
Sathe, Meghana, 103

Satterthwaite, Anne, 79
Savani, Rashmin, 101
Saxena, Kirti, 111
Saxena, Ramesh, 81
Sayers, Merlyn, 98
Scaglioni, Pier, 83
Scannell, Stacy, 111
Schaffer, Joseph I., 91
Schatzle, John, 79, 99
Scherer, Philipp E., 73, 80
Scheuermann, Richard H., 74, 98, 122
Schiller, Joan, 80, 123
Schindel, David, 120
Schindler, John D., 87, 122
Schneider, Jay, 83
Schneider, Joseph, 103
Schochet, Peter, 103
Schorge, John O., 91
Schultz, Barbara A., 97
Schwartz-Dabney, Carina, 119
Schwarz, Barry E., 91
Schwarz, Margaret, 101
Schwarz, Roderich, 120
Scott, Daniel, 118
Scott, Frederick, 84
Scott, H. David, 116
Scott, Kelly, 107
Scott, Susan M., 101
Scott, William, 100
Secrest, Leslie, 109
Seeman, Joachim, 73
Seguias, Luis, 103
Seikaly, Mouin, 101
Seldin, Donald, 80
Self, David W., 110
Seliounine, Serguei, 115
Semrin, Gaith, 103
Sendelbach, Dorothy M., 101
Senktas, Marzenna, 111
Setiawan, Anthony T., 116
Setliff, Stephanie, 111
Shad, Mujeeb, 111
Shafi, Shahid, 117
Shah, Amit, 83
Shah, Anjali, 90, 107
Shah, Manisha, 83
Shah, Mary N., 70
Shah, Monal, 83
Shaik, Shameem, 111
Shakil, Amer, 76
Shakil, Rubina, 111
Shardonofsky, Felix, 101
Sharma, Shiv K., 69, 91
Shaul, Philip W., 101
Shay, Jerry W., 73
Shearer, Vance E., 69
Sheehan, Maeve, 103
Sheeran, Paul W., 70, 103
Sheffield, Eugene, 116
Sheffield, Jeanne S., 91
Shen, Yu-min, 83
Shepherd, Laquita A., 76
Sherry, A. Dean, 116, 122
Shi, Chen, 69
Shivakumar, Geetha, 111
Shivapurkar, Navayan, 99
Shivvers, Stephen, 91
Shores-Wilson, Kathy, 111
Shoup, Angela G., 97
Sidawi, J. Elaine, 69
Siddiqui, Ali, 83
Siddiqui, Zafreen, 76
Siegel, Jane, 101
Siegelman, Mark H., 79, 99
Silav, Z. Erin, 70
Silver, Cheryl, 114
Simha, A.J. Vinaya, 83
Sims, Gina Cho, 116
Sims, R. Douglas, 116
Sinclair, Gary, 81
Singer, Mike A., 90
Singh, Harmanjit, 83
Sinha, Suwan, 100
Sinton, Christopher, 81
Sippel, Jennifer, 107
Sirsi, Deepa, 103
Skinner, Celette Sugg, 74, 114, 123
Skinner, Michael, 119
Skrivanek, Gary D., 69
Slavine, Nikolai, 116
Slaymaker, Elizabeth A., 69
Sliter, Timothy J., 99
Slone, Tamra, 103
Smallshaw, Joan E., 87, 122
Smith, Alice L., 98
Smith, Dean P., 90, 106
Smith, Stephen, 121
Smith, Sumona, 121
Smith, Taylor, 121
Smith, Wesley D., 70
Snell, Laura M., 76
Snell, Peter, 81
Snell, William J., 73
Snodgrass, Warren T., 121
Snyder, William H., III, 80, 118
Soesbe, Todd C., 122
Solberg, Timothy P., 114
Son, Marjatta, 90
Sontag, Estelle, 99
Southern, Paul M., Jr., 81, 98
Souza, Rhonda, 81
Soyombo-Shoola, Abigail, 83
Spain, Thomas, 70
Spangler, Ann E., 115
Sparangana, Steven, 90
Spargo, Erin A., 100
Spechler, Stuart, 80
Spence, Jeffrey, 74, 83
Sperandio, Vanessa, 87
Spotswood, Sheila, 99
Sreenarasimhaiah, Jayaprakash, 83
Srinivasan, Karthik, 103
Starr, Adam, 96
Stastny, Peter, 80
Stavinoha, Peter L., 114
Steel, Kathia, 119
Steen, Eric, 81
Stehel, Edward, 116
Stehel, Elizabeth I., 103
Steinbach, Sandra, 111
Steinberg, Joel B., 101
Stephen, George, 83
Sternweis-Yang, Kathryn, 111
Sternweis, Paul C., 106
Stewart, Sunita, 109, 114
Stieglitz, Heather, 84
Stojadinovic, Strahinja, 115
Stoll, Matthew L., 103
Stone, Dennis K., 72, 80
Stool, Louis A., 69
Story, Michael D., 115
Street, Nancy, 87, 122
Strout, Bradley, 116
Strowig, Suzanne, 84
Stroynowski, Iwona, 79, 80, 87
Stull, James T., 107
Stuve, Olaf, 90
Sucato, Daniel, 96
Suel, Gurol, 106
Sullivan, Brian, 94
Sullivan, Paul, 117
Sumer, Baran D., 97
Sum-Ping, S. John, 69

Sun, Hui-Qiao, 107
Sun, Xiankai, 117
Sunderajan, Prahba, 111
Sureddi, Suresh, 111
Suris, Alina, 110, 114
Suter, Robert E., 117
Sutor, Laurie J., 99
Sutton, Carolyn M., 92
Swancutt, Mark A., 83, 87
Swaroop, Prabhakar, 83
Swienton, Raymond E., 118
Szczepaniak, Lidia, 83
Szczerba, Arthur J., 76
Szmuk, Eleonora, 111
Szmuk, Peter, 69
Tabaczewska, Ludmilla J., 69
Takahashi, Joseph, 90
Takahashi, Masaya, 122
Tallquist, Michelle, 88
Tamm, Leanne, 111, 114
Tamminga, Carol A., 109, 114
Tang, Liping, 118
Tang, Tie-Shan, 108
Tang, Wei, 73
Tannin, Grace M., 101
Tansey, Lourdes Malú Gamez, 107
Tao, Rongrong, 111
Tao, Weike, 70
Tasian, Berge, 83
Taurog, Joel, 80
Taussig, Ronald, 106
Taylor, R. Stan, 74
Teiber, John, 83
Tella, Prabhav K.H., 70
Teotia, Sumeet S., 108
Terada, Lance, 80
Terman, Jonathan R., 90, 106
Thal, Erwin, 117
Thankavel, Bharath, 103
Thein, Yee Yee, 111
Theisen, J. Eric, 70
Thiele, Dwain, 80
Thomas, Emilia, 83
Thomas, Gail, 81
Thomas, James A., 87, 101
Thomas, Lia, 111
Thomas, Philip J., 107
Thompson, Marita, 101
Thompson, Mayra J., 91
Thornton, James F., 108
Thornton, Larry, 109
Thorpe, Philip E., 106, 123
Throckmorton, Gaylord S., 73, 119
Thudi, Amitha, 83
Timaran, Carlos H., 121
Timmerman, Robert D., 114
Timmons, Charles F., 98
Tirado, Carlos, 99, 111
Tiro, Jasmin, 74
Todd, Elizabeth L., 99
Tomchick, Diana, 72
Tongier, W. Kendall, 69
Toomay, Seth, 117
Torres, Fernando, 83
Toto, Robert, 80
Townsend-Parchman, Janis K., 99
Tran, Maclong, 118
Trapp, George, 110
Treichler, D. Brent, 118
Trello-Rishel, Kathie, 111
Trenhaile-Sellers, Tracy M., 92
Trimmer, Clayton, 116
Trivedi, Jaya, 89
Trivedi, Kavita, 107
Trivedi, Madhukar, 109, 114
Trowbridge, Ann M., 69
Truelson, John M., 97
Truong, Tam C., 91
Trussler, Andrew P., 108
Tsyganov, Edward, 117
Tu, Bemjamin, 72
Turcotte, Marc, 106
Turley, Stephen, 80
Turner, William W., Jr., 118
Twickler, Diane M., 91, 116
Tyler, David L., 109
Ufret-Vincenty, Rafael L., 94
Uhr, Jonathan W., 87, 122
Uhrbock, David, 117
Ulery, Paula, 90, 111
Ulissey, Michael, 116
Ulualp, Seckin O., 97
Umetani, Michihisa, 103
Unger, Roger, 80
Upadhyay, Sujata, 83
Upadhyaya, Mahendra, 111
Urban, Jill, 99
Uribe, Mercedes, 103
Utay, Stacy M., 123
Uyeda, Kosaku, 72, 81
Valentine, R. James, 117, 121
Van Dermark, Jeffrey T., 118
Van Deventer, Jon, 107
Vandiver, Kathleen, 103
Van Ness, Paul C., 89
van Oers, Nicolai S.C., 79, 87
Van Pelt, Michael, 96
VanWright, Aaron, 110
Varela, Javier E., 119
Varela, Juan, 111
Varley, Alan, 83
Vas, Collin, 111
Vazquez, Miguel, 81
Vega, Gloria, 80
Velez, Larissa I., 118
Veltkamp, Daniel, 116
Veltkamp, Jennifer, 117
Verity, Steven M., 94
Verma, Udit, 83
Vernino, Steven, 89
Vianna, Claudia, 84
Vicioso, Belinda, 81
Vitetta, Ellen S., 87, 122
Vongpatanasin, Wanpen, 81
Vornik, Vadim, D., 70
Vustar, Mirjana, 70
Waber, Lewis J., 101
Wada, Suzanne, 81
Wagner, James, 81
Wai, Clifford Y., 91
Wainscott, Michael P., 80, 117
Wait, Michael A., 72
Wakeland, Edward K., 79
Wakhlu, Sidarth, 111
Walker, Brandy, 117
Walker, Robert V., 119
Wall, James B., 70
Wall, Jean A., 70
Wallace, Donald H., 69
Waller, David A., 109
Walsh, Deryk, 70
Walsh, Jennifer, 83, 103
Wan, Yihong, 106
Wang, Gelin, 72
Wang, Huan-You, 100
Wang, Jerry Zhiyue, 116
Wang, Junmei, 106
Wang, May-Yun, 83
Wang, Qian, 73
Wang, Serena X., 94
Wang, Wei, 87
Wang, Xiaodong, 72
Wang, Youxue, 119

Wang, Yu-Chi "Annie," 103
Ward, E. Sally, 79, 87, 122
Ward, Pamela, 92
Warden, Diane, 111
Warnack, Worthy R., 89
Warrier, Indulekha, 103
Watson, Mark, 118
Watumull, Lori M., 116
Wax, Martin, 94
Way, Megan, 70
Weakley, David R., Jr., 94
Weatherall, Paul T., 116
Webster, Frank, 109
Weinberg, Arthur G., 98
Weinberger, Debra G., 97
Weiner, Myron F., 109
Weissler, Jonathan, 80
Weitzul, Sarah B., 74
Welch, Babu, 88, 117
Wendel, George D., Jr., 91
Weng, Jian, 73
Werner, Claudia, 91
Westergaard, Henrik, 80
Westover, Arthur, 111
Wetherington, Crista, 111
Whalley, Peggy J., 91
Wharton, Keith A., Jr., 88, 100
White, Anna M., 91
White, Charles L., III, 98
White, Jonathan A., 88
White, Michael, 73
White, Paul F., 69
White, Perrin, 101
White, Wendy Drake, 119
Whitson, Jess, 94
Whittemore, Anthony, 117
Whitten, Charles W., 69
Whitworth, Louis Anthony, 88
Wians, Frank H., Jr., 98
Wickiser, Jonathan E., 103
Wickremasinghe, Itala, 107
Wiebe, Deborah, 114
Wiebe, Robert, 101
Wigginton, Jane G., 118
Wildenthal, Kern, 80
Wilkie, Thomas, M., 106
Wilkinson, Allison, 111
Willett, DuWayne, 81
Williams, J.R., II, 97
Williams, Noelle, 72
Williams, Olatunji, 103
Williams, Scott S., 103
Willson, James K.V., 81, 123
Wilson, Ellen E., 91
Wilson, Jean, 81
Wilson, Kathleen S., 123
Wilson, Philip L., 96
Wimberly, Robert Lane, 96
Winick, Naomi, 101
Winkler, Alisa J., 73
Winkler, Wade C., 72
Winslow, Richard L., 94
Wise, Carol A., 96, 123
Woerz, Cynthia A., 70
Wolfe, Gil F., 89
Wolff, Timothy K., 110
Wolovits, Joshua, 103
Womack, Kyle, 90
Wooding, Stephen P., 83, 123
Woodruff, Stacey, 119
Woolston, Dixie, 114
Wooten, Tyler, 111
Word, Larry E., 91
Word, R. Ann, 91
Wright, C. Gary, 97
Wright, Tracey, 103
Wright, Woodring E., 73, 83
Wu, Jiang, 75, 107
Wu, Lani F., 106
Wu, Richard, 81
Wu, Shwu-Yuan, 72, 123
Wu, Tianfu, 84
Wuelfing, Christoph, 73, 79
Wyckoff, Myra, 103
Wynn, Ralph T., 116
Wynn, Richard M., 72, 81
Wyrick, Christine, 70
Xiao, Guanghua, 74
Xiao, Hong, 76
Xie, Shang, 84
Xie, Xian-Jin, 74, 123
Xie, Xiao-Song, 81, 123
Xie, Yang, 74
Xing, Chao, 74, 123
Xu, Fuying, 92
Yajima, Hirohiko, 115
Yamanouchi, Kimberly J., 69
Yanagisawa, Hiromi, 88
Yanagisawa, Masashi, 88
Yancey, Kim B., 74
Yang, Chien, 117
Yang, Chin-Rang, 123
Yang, Meng-Chun, 83
Yang, Weibin, 107
Yang, Yih-Sheng, 83
Yarbrough, William, Jr., 81
Yarovinsky, Felix, 79
Ye, Jin, 88
Ye, Sheng, 108
Yep, Judy, 94
Yetkin, Zerrin, 117
Yilmaz, Cuneyt, 83
Yin, Helen L., 107
Yu, Gang G., 90
Yu, Hongtao, 106
Yu, Jian-Xin, 117
Yu, Wengui, 88, 90
Yuan, Dorothy, 98
Yunyongying, Pete, 83
Zaki, Nasir, 111
Zankar, Ahmad, 83
Zaretsky, Michael V., 91
Zellers, Thomas, 101
Zelman, Karen M., 92
Zeltser, Ilana J., 103
Zeng, Weizhong, 107
Zerwekh, Joseph, 81
Zhang, Chengcheng "Alec," 75, 108
Zhang, Hong, 72
Zhang, Hui Ying, 84
Zhang, Quiyang "Daniel," 84
Zhang, Rong, 83
Zhang, Song, 74
Zhang, Xuewu, 72, 106
Zhao, Dawen, 117
Zhao, Yingming, 106
Zhou, Xin Jin "Joseph," 81, 98
Zhu, An, 100
Zidan, Amr M.K., 70
Zigman, Jeffrey, 83
Zimmern, Philippe E., 121
Zinn, Andrew R., 81, 123
Zinser, William, 89, 101
Zou, Hui, 88
Zou, Yizhou, 83
Zrnic, Uros, 111
Zuniga, John R., 119
Zuzak, Karel, 119

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