

Texas A&M University

Health Science Center

College of Medicine

1996-1998 Bulletin





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# Introduction

The Texas A&M University College of Medicine is chartered to grant the degrees of Bachelor of Science, Doctor of Medicine, Master of Science, and Doctor of Philosophy.

The Bachelor of Science degree is awarded to medical students who satisfactorily complete the Texas A&M University core curriculum requirements for a baccalaureate degree and the first two years of the medical curriculum.

The program of instruction for the Doctor of Medicine degree consists of a four year curriculum and is fully accredited by the Liaison Committee on Medical Education. The first two years of instruction take place in College Station, Texas, on the campus of Texas A&M University. The remaining two years of instruction take place primarily in Temple, Texas, at the Scott and White Memorial Hospital and Clinic and the Olin E. Teague Veterans' Center.

The Doctor of Philosophy degree in medical sciences is primarily taught on the College Station campus. The degree takes a multidisciplinary approach to basic science study. Students declare an area of research interest upon entering the program, and their course of study is planned with the appropriate graduate advisor. The Ph.D. program entails a minimum of 96 semester hours; and, 60 hours or more are taken in formal coursework from at least four discipline areas.

The College of Medicine calendar is independent from other University schedules.

This bulletin is published to acquaint the public with the College's purposes, curriculum, research activities, and services. It does not duplicate other publications that describe College of Medicine programs and services in detail. References within this bulletin to other publications and the list of addresses printed inside the cover provide the information needed to obtain other publications of interest.

The provisions of this bulletin do not constitute a contract, expressed or implied, between any applicant, student, or faculty member and the Texas A&M University College of Medicine or the Texas A&M University System. The College of Medicine reserves the right to withdraw courses at any time, change fees, calendar, curriculum, graduation procedures, and any other requirements affecting students. Changes will become effective whenever the proper authorities so determine and will apply to both prospective students and those already enrolled.





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## **Texas A&M University**

Texas A&M University, the state's oldest public institution of higher learning, opened in 1876 with six students in its charter class. In the years that followed, Texas A&M evolved from an all-male military institution into a coeducational university with about 33,000 undergraduate and 7,500 graduate students enrolled in ten academic colleges.

Texas A&M is a land grant university. Its first endowment and building construction funds came from the sale of 180,000 Texas acres under the terms of the Morrill Act of 1862, which specified that the University emphasize study in the agricultural and mechanical arts without excluding other scientific and classical subjects. In 1971, Texas A&M also was designated as a sea grant college in recognition of its achievements in oceanographic and marine resources development. In 1989, Texas A&M became one of a select few institutions nationally with triple land grant, sea grant and space grant designation.

The main campus of Texas A&M is situated on 5,200 acres in College Station, Texas. Its physical plant is assessed at approximately \$1 billion. Texas A&M has the largest university research budget in the South and Southwest and is among the top ten universities nationally in research expenditures.

Texas A&M's traditional strengths lie in engineering, veterinary medicine, and agriculture. Furthermore, it is a pioneer in many of the newer technological areas— biotechnology, space research, nuclear engineering, computer studies, oceanography and marine resources. The rapid growth of the Colleges of Liberal Arts, Business, and Medicine in recent years has further enhanced the diversity of studies Texas A&M offers.

## **Texas A&M University College of Medicine**

The Texas State Legislature authorized establishment of the Texas A&M University College of Medicine in 1971. Funds were appropriated in 1973 jointly by the legislature and the federal government under the Teague-Cranston Bill—The Veterans Administration Medical School Assistance and Health Manpower Training Act. The organization and procedures that govern the College of Medicine conform with the laws of the State of Texas, the objectives, rules, and regulations for the Texas A&M University System, and the bylaws of the College of Medicine.

The first students at the College of Medicine, 32 in all, matriculated in 1977. In 1981, the College of Medicine was fully accredited by the Liaison Committee on Medical Education, the national accrediting body for medical schools, to grant the Doctor of Medicine degree. In 1985, the Coordinating Board of the Texas College and University System approved College of Medicine programs for the degrees of Master of Science and Doctor of Philosophy in medical sciences.

The first two years of instruction take place at Texas A&M University in College Station. The College is housed in the Joe H. Reynolds Medical Building, which was first occupied in 1983, and in the Medical Sciences Library, which opened its doors in 1985. Their second two years of instruction take place on the clinical campus in Temple, Texas, which is located at the Scott

and White Memorial Hospital and Clinic, the Central Texas Veterans Health Care System, and at Darnall Army Community Hospital in Killeen.

The College of Medicine has established a record for excellence in both medical education and research. In 1991, the Texas A&M University System Board of Regents approved that the College of Medicine be structured as a health science center and ratified the designation of the institution as the Texas A&M University Health Science Center. This growth, however, has not altered the College's commitment to provide an environment which promotes integrity, compassion and excellence in its future physicians and scientists. An emphasis on broad based instruction in the medical sciences produces individuals with the knowledge, expertise and vision to meet the challenges facing modern medicine .

## **Institutional Objectives**

The goal of faculty members in the Texas A&M University College of Medicine is to provide medical students an opportunity to obtain a sound, basic education in medicine and to maintain a high quality program of research and graduate instruction in the medical sciences. Fundamental to this goal has been the creation of an atmosphere of academic excellence in which the knowledge and skills of medicine can be imparted and attitudes of responsibility and compassion can be fostered.

The faculty of the College is composed of over 600 basic scientists and physicians. The majority of the basic scientists on the faculty teach first and second year students on the College Station campus; about 30 scientists are staff members in the affiliated hospitals. The physicians on the faculty practice medicine in three diverse settings. Approximately 100 practice in solo or small partnerships in Brazos and adjacent counties; about 350 are staff from the Scott and White Memorial Hospital and Clinic; and, approximately 70 are staff at the Central Texas Veterans Health Care System. In addition, a few faculty members are medical staff at the Darnall Army Community Hospital at Fort Hood, or are private practitioners elsewhere in Texas.

With these resources, medical students are offered a wide range of clinical experiences from the time of enrollment. Students experience formal clerkships at the Scott and White Memorial Hospital and Clinic, a large multispecialty practice that includes a health maintenance organization, and in the veterans' hospitals, which provide care ranging from acute to long-term and domiciliary.

This variety of experiences enables each student to identify his or her career focus or specialty area in medicine. The faculty members of the College of Medicine believe that the four years leading to the M.D. degree are only the beginning of a lifelong process of medical education. They strive to provide each student with the necessary background to pursue any field of specialization she or he may subsequently choose.

In order to take full advantage of the rich collaborative possibilities for research and education at Texas A&M, the College has engaged in a deliberate effort to focus technological capabilities from the entire University on interdisciplinary programs for the enhancement of human health. It has formed a number of institutes to conduct research applicable to diverse disciplines within the University.

Medical education, of course, involves much more than the transfer of scientific information and techniques of patient care. A physician must cultivate a thoughtful moral and ethical outlook. Faculty members expect students to have high ethical standards, and they stand ready to lend assistance through whatever periods of personal uncertainty students may encounter. Personal counseling and formal classes in ethics and humanities are provided to reinforce the fundamental influence of committed role models. Students at the College of Medicine can expect to associate closely with faculty members in all phases of the curriculum because the College maintains a small class size and a favorable faculty-to-student ratio.

With special guidance from faculty advisors, students may modify their educational programs to conform with personal interests and goals. Individualized programs may include student-initiated electives, participation in the M.D./Ph.D. program in medical sciences, as well as the opportunity to enroll in master's or doctoral level programs elsewhere in the University. These options permit the exceptional student to combine a background in medicine with other bodies of knowledge not commonly joined to it. A student at the Texas A&M University Health Science Center College of Medicine is in a position to benefit greatly from the wide spectrum of educational opportunities available by participating in a program that can selectively use the special strengths of a major university, an exemplary multispecialty group medical practice, individual practitioners of medicine, the medical programs of the Departments of Veterans Affairs and of Defense, and local private or public health care agencies.





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# Admissions

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## Admission for Medical Students

Admission to the Texas A&M University Health Science Center (TAMUHSC) College of Medicine is competitive. The College considers for enrollment only individuals who are U.S. citizens or permanent residents, and who have completed their undergraduate coursework at a fully accredited college or university in the United States or its territories. The College, committed to diversity, strongly encourages applicants from groups under-represented in medicine to apply. By state mandate, enrollment of individuals who are residents of states other than Texas may not exceed 10 percent. Applicants must demonstrate better than average ability to master a challenging educational experience. In addition to academic ability, successful applicants must exhibit the personal qualities necessary to interact with others in an effective and personable manner. Pre-medical advisors play an important role in helping admissions committees assess these attributes and qualities. Prospective TAMUHSC College of Medicine applicants are urged to get to know their advisors early in their undergraduate education.

### Undergraduate Course Requirements:

Most entering students have completed a baccalaureate degree before enrolling. However, some applicants are enrolled with 90 semester hours of college work; exceptional applicants may be considered with 60 semester hours. Each year 64 entering students are enrolled. The small class size permits every student to receive individual attention in both the basic science and clinical experiences.

Academic ability as evidenced by grades in college courses and performance on the MCAT are important selection criteria. The following courses are required from a fully accredited college or university in the U.S. or its territories:

- General Biology (with laboratory) . . . . . 8 hours or 1 year
- Additional/Advanced Biological Sciences . . . . . 3 hours, or 1/2 year
- General Chemistry (with laboratory) . . . . . 8 hours or 1 year
- Organic Chemistry (with laboratory) . . . . . 8 hours or 1 year
- General Physics (with laboratory) . . . . . 8 hours or 1 year
- English . . . . . 6 hours or 1 year
- Calculus . . . . . 3 hours or 1/2 year

### Application Information:

The Texas A&M University Health Science Center College of Medicine Office of Student Affairs and Admissions processes all applications. Application materials may be obtained from the Health Professions Advising Office at your college or university, or from the TAMUHSC College of Medicine Office of Student Affairs and Admissions. The application for admission must be submitted between May 1 and November 1 of the year preceding expected enrollment. November 1st is the application deadline. Applicants are strongly encouraged to have supporting materials forwarded to the Office of Student Affairs and Admissions by November 15. Acceptances will be offered on November 15, December 15, and January 15.

Students must acknowledge their acceptance within 2 weeks of the offer. If you have questions concerning admissions, please address them to: Director of Admissions, Texas A&M University Health Science Center College of Medicine, Office of Student Affairs and Admissions, 159 Joe H. Reynolds Medical Building, College Station, TX 77843-1114, (409) 845-7743 or E-Mail: fgmaldonado@tamu.edu

### **Letters of Evaluation:**

An applicant whose principal undergraduate school has a Premedical Advisory System should submit an evaluation packet from the Premedical Advisor or the chair of the Premedical Advisory Committee. If you are no longer in undergraduate school and cannot obtain an evaluation from your former health professions advisor or advisory committee, you should proceed as follows:

a) If you are attending graduate or professional school, letters of evaluation must be from your graduate advisor, a major professor, the chairperson of your major department, or the dean of your college.

b) If you have been out of college for one year or more and are currently employed or in military service, one of your evaluations must be from your immediate supervisor. If self-employed, obtain a letter of reference from a business associate. The evaluation must detail your performance.

All letters of evaluation submitted by the evaluator or advising office must be written on, and mailed in, official school or business letterhead and envelope, and all evaluations must be current; otherwise, they will not be considered as official. A minimum of two evaluations are required. The TAMUHSC College of Medicine may request additional letters of reference.

### **Medical College Admissions Test (MCAT):**

Although the MCAT is offered twice each year, in April and August, we strongly encourage applicants to take the MCAT in April just prior to the beginning of the application period and certainly no later than August of the year preceding expected enrollment. Information and application forms for the MCAT may be obtained by writing the American College Testing Program at the following address: MCAT American College Testing Program, P.O. Box 414, Iowa City, Iowa 52240. Furthermore, for MCAT scores to become a part of the application materials, scores must be reported directly to the TAMUHSC College of Medicine Office of Student Affairs and Admissions from the MCAT office. Please note: since the TAMUHSC College of Medicine is not an AMCAS school, students must specifically request that scores be sent. The TAMUHSC College of Medicine school code is 823. Although the most recent MCAT is usually the most important in the evaluation of the application, applicants are responsible for reporting the scores of all MCAT's taken. The MCAT must have been taken no earlier than five (5) years prior to the expected date of enrollment. For example, if you were applying for the 1997 entering class, you must have taken the MCAT no earlier than 1992.

### **The Interview:**

Applicants are invited for personal interviews based upon their competitiveness within the applicant pool. Interview sessions typically are scheduled from mid-August to mid-January, beginning in College Station on Thursday morning and concluding in Temple on Friday afternoon. Each applicant is given three individual thirty-minute interviews by a combination of

faculty Admissions Committee members, student Admissions Committee members, and faculty Guest Interviewers. Personal interviews at our College of Medicine are a two-way exchange. Students are encouraged to use this experience to inquire and form opinions about the strengths and opportunities available at the College of Medicine. Although intellectual ability and record of achievement are important elements contributing to the mastery of a challenging medical education experience, the Admissions Committee understands that other qualities are necessary to foster the development of a competent, compassionate and responsible physician. Interpersonal skills, integrity of character, honesty, tolerance, leadership, initiative, motivation, social consciousness, and breadth of interests are among the characteristics sought.

### **Profile of the Matriculated Class**

The College of Medicine received 1,577 applications for 64 places in the 1996 entering class. Four hundred and two applicants were interviewed. The class is comprised of 97% Texas residents, 39% women, and 16% under-represented minorities. Among the students enrolled, 100% received baccalaureate degrees and 6% had graduate degrees. The choice of major varied among the students, but 86% chose majors in the sciences. Among the non-science degrees, some of the choices of specialization were Psychology, History, Asian Studies, Engineering, and Marketing. Twenty-three colleges and universities throughout the state and nation are represented among the members of the entering class. The class is distinguished by a mean college grade point ratio of 3.64 and average MCAT scores for the subtests in the 10 range.

### **Time Line for Application and Admissions Process**

<b>April</b>	MCAT administered at testing sites across the state and U.S. (Preferred).*
<b>May</b>	May 1 - Application period begins. Obtain application from Health Professions Advisor or the TAMUHSC College of Medicine Office of Student Affairs and Admissions and submit as early as possible.
<b>June/July</b>	Application period continues. Monitor the completion of submitted application.
<b>August</b>	Interviewing period begins. MCAT administered at testing sites across the state and U.S. Monitor the completion of submitted application.
<b>September</b>	Application and interviewing period continues. Monitor the completion of submitted application.
<b>October</b>	Application and interviewing period continues. Monitor the completion of submitted application.

\*Applicants are encouraged to take the April MCAT

<b>November</b>	November 1 - Application Deadline. Application period ends. November 15 - First set of Admissions Offers mailed.** Interviewing period continues. Letters of evaluation and other supporting materials are due. Monitor the completion of submitted application.
<b>December</b>	December 15 - Second set of Admissions Offers mailed.** Interviewing period continues. Monitor the completion of submitted application.
<b>January</b>	Interview period ends. January 1 - Begin financial aid process by completing the Free Application for Federal Student Aid (FAFSA) or Renewal FAFSA. Complete this form even if you have not yet been accepted. List school where you applied. January 15 - Third set of Admissions Offers mailed.**
<b>February</b>	Alternate/Wait list formed. Offers of acceptance made as needed.
<b>March</b>	Offers of acceptance made as needed. First notice to accepted applicants of multiple acceptances.
<b>April/May</b>	First packet of preregistration and orientation materials mailed to accepted students from the TAMUHSC College of Medicine Office of Student Affairs and Admissions. Offers of acceptance made as needed. May 1 - Final notice to accepted applicants of multiple acceptances. May 31 - Last day to make offers of acceptance to alternates holding acceptances at other Texas medical schools.
<b>June/July</b>	Additional mailings to incoming students.
<b>August</b>	Orientation, Registration, and First Day of Classes.

\*\*Applicants have two weeks to respond to the offer by returning the Acknowledgement Form

## **Admission in Advanced Standing**

For students enrolled in the M.D. degree program at other medical colleges to be eligible for admission in advanced standing, the College of Medicine's policy is to consider only those individuals who:

- have been and are in good standing at their medical school,
- have completed all their basic sciences in an LCME accredited medical college in the United States,
- seek admission into the beginning of the clinical years (year three of our medical program),
- have maintained **good** academic standing (at or above a 75% grade average or 2.50 GPA),



- are making normal curricular progress at the school where they are enrolled and eligible for continuation there,
- are U.S. citizens or permanent residents of the U.S.,
- are residents of the state of Texas, and
- have extraordinary personal reasons for wishing to transfer.

Admission is on a competitive basis, and the number admitted depends on the availability of places, faculty, and facilities. There is no specific number of places set aside for advanced standing candidates.

### **General Requirements:**

Eligible candidates must submit:

- a personal letter requesting transfer and explaining their reasons for seeking admission in advanced standing by January 3 of the year of proposed enrollment,
- a letter of evaluation and support from the Dean for Student Affairs or a person in a comparable position from the school where they are enrolled,
- a completed application and filing fee of \$45 by February 1 of the year of proposed enrollment,
- by February 1, official transcripts from all undergraduate colleges, graduate schools, and medical colleges attended,
- official MCAT scores (*For MCAT scores to be a part of the application materials, scores must be reported directly to the TAMUHSC College of Medicine's Office of Student Affairs and Admissions from the MCAT office.*)

For candidates to be considered for enrollment in advanced standing, they must pass the USMLE Step I, report official scores to our Office of Student Affairs and Admissions, and interview with three individual admissions committee members who are clinical faculty at the Temple campus. Candidates may enroll if they meet the general requirements listed above, have satisfactorily completed the basic science course content as required of first- and second-year medical students at the TAMUHSC College of Medicine, and have gained a recommendation from the admissions committee for admission in advanced standing to the Dean of the College of Medicine, who ultimately approves or denies admission.

### **Students NOT Eligible For Admission In Advanced Standing:**

- Individuals who have been dismissed or who have withdrawn from their medical colleges will not be eligible for admission in advanced standing.
- Individuals who have completed all their premedical or medical school work in a foreign country will not be eligible for admission in advanced standing.
- Individuals from related professions such as dentistry, or those who have completed the basic medical sciences in a graduate program, are not eligible for admission in advanced standing but may apply as first-year medical students.

## Admission for Graduate Students

Applicants normally are admitted to the program only to pursue the Doctor of Philosophy degree. The Doctor of Philosophy degree program requires a minimum of 96 semester hours. Master of Science degree candidates must complete a minimum of 32 semester hours credit. The College of Medicine also offers a combined M.D./Ph.D. program. At the time of admission, selected students may enroll in both the graduate program for the Doctor of Philosophy degree in the medical sciences and in the program for the Doctor of Medicine degree. Alternatively, they may enroll in another graduate program at Texas A&M simultaneously with studies toward the Doctor of Medicine degree.

### Prerequisites

To be considered for admission to the Doctor of Philosophy degree program, applicants are expected to have:

- 1) completed an undergraduate degree at an accredited educational institution with an overall grade point average of 3.0 or better; and,
- 2) achieved a combined minimum score of 1,100 on the quantitative and verbal sections of the Graduate Record Examination (GRE). International students have the option to submit their score on the quantitative section of the GRE only; 550 is the minimum acceptable score. International students must also achieve a minimum score of 550 on the Test of English as a Foreign Language (TOEFL).
- 3) completed the following courses:

Inorganic chemistry (with laboratory) . . . . .	8 hours or 1 year
Organic chemistry (with laboratory) . . . . .	8 hours or 1 year
Analytic chemistry . . . . .	3 hours
General physics (with laboratory) . . . . .	3 hours
Calculus . . . . .	3 hours

### The Application Process

Admission is granted only for the beginning of each academic year. Applications may be submitted at any time. Application forms for admission and financial support as well as additional information about College of Medicine programs can be obtained from the Office of Graduate Studies and Research. All application materials should be sent to this office. Applications are accompanied by the students undergraduate record, test scores from the Graduate Record Examination (GRE) and letters of recommendation. International applicants must also submit scores from the Test of English as a Foreign Language (TOEFL). In the application, each student declares his or her area of research interest from the basic disciplines of human anatomy and medical neurobiology, medical biochemistry and medical genetics, medical microbiology and immunology, pathology and laboratory medicine, medical pharmacology and toxicology, or medical physiology. Applications from qualified individuals are forwarded to the corresponding departments for consideration.

# Student Financial Aid

A student's ability to pay for medical school is not a factor in the admissions process at the College of Medicine. Approximately 90% of our students receive some form of financial assistance. Assistance is generally in the form of federal, state, institutional and private funds, with the largest amount in long-term student loans payable after graduation. The first step in the financial aid process is to complete a Free Application for Federal Student Aid (FAFSA), or the Renewal FAFSA, as soon as possible after January 1 in the year of anticipated enrollment. Students accepted to the College of Medicine and who apply for financial aid are considered for all forms of aid for which they are eligible. More detailed information is provided when applicants interview and when they are accepted to the College of Medicine.

## Expenses for Medical Students

The expenses listed in this section are estimates and are subject to change. The expenses listed below are calculated for a typical medical student enrolled in the standard College of Medicine program for academic year 1996-1997. Expenses for subsequent years may be different. Nonresident tuition is three times the resident tuition. Payments for tuition and fees are due during the registration periods scheduled before the beginning of each term. They may be paid in one payment or three deferred payments. Cashier's checks, personal checks, and money orders payable to Texas A&M University are acceptable. All checks and money orders are accepted subject to final payment. The estimated expenses for College of Medicine students are as follows:

### Estimated Academic Costs

#### College Station Campus (Years 1 and 2)

	Fall Term	Spring Term	Annual Total
*Tuition (statutory amount regardless of course load)			
Resident	\$3,275.00	\$3,275.00	\$6,550.00
Fees	521.00	521.00	1,042.00
Books and Supplies	750.00	750.00	1,500.00
<b>Total Academic Costs</b>	<b>\$4,546.00</b>	<b>\$4,546.00</b>	<b>\$9,092.00</b>

### Estimated Room and Board

	Fall Term	Spring Term	Annual Total
<b>Total</b>	<b>\$3,346.50</b>	<b>\$3,346.50</b>	<b>\$6,693.00</b>
<b>Estimated Annual Cost for State Residents in Years 1 and 2</b>			<b>\$15,785.00</b>

### **Estimated Academic Costs**

#### **Temple Campus (Years 3 and 4)**

	<b>Fall Term</b>	<b>Spring Term</b>	<b>Annual Total</b>
*Tuition (statutory amount regardless of course load)			
Resident	\$3,275.00	\$3,275.00	\$6,550.00
Fees	194.50	194.50	389.00
Books and Supplies	550.00	550.00	1,100.00
Total Academic Costs	<u>\$4,019.50</u>	<u>\$4,019.50</u>	<u>\$8,039.00</u>

### **Estimated Room and Board**

College of Medicine student apartments at Temple range in cost from \$130.00 per month to \$245.00 per month with water paid. The figures below are the budgeted amounts for room and board.

Total	\$4,358.00	\$4,358.00	<u>\$8,716.00</u>
Estimated Annual Cost for State Residents in Years 3 and 4			<u>\$16,755.00</u>

## **Withdrawal from the University**

Once a payment for tuition and fees has been accepted by the University, a student is considered officially enrolled unless the student is otherwise restricted from enrolling. Stopping payment on a check for fees or allowing the check to be returned unpaid by the bank for any reason does not constitute official withdrawal. Failure to follow procedures for withdrawing from the University may result in financial penalties and delays with future enrollment in the University. Once a student registers, he or she is responsible for the total fees assessed regardless of whether an installment option is used. Refund percentages are applied to total fees assessed and not the amount paid. This means that students who withdraw before paying all installments may, in the event of withdrawal, receive a bill with a balance due rather than a refund.

## **Refunds**

Refund of fees shall be made to students officially withdrawing according to the following withdrawal schedule:

### **Tuition, Student Services Fee, General Use Fee, Student Center Complex Fee, Health Center Fee, Computer Access Fee Laboratory Fee, Meal Plans and Bus Service**

#### **Fall and Spring Terms**

Prior to the first class day	100 percent
During the first five class days	80 percent
During the second five class days	70 percent
During the third five class days	50 percent

During the fourth five class days  
After the fourth five class days

25 percent  
None

Refunds will not be made before 21 days from the date of payment.

## Unpaid Checks

If a check accepted by the University is returned unpaid by the bank on which it is drawn, the person presenting it will be required to pay a penalty of \$20. If the check and penalty are not cleared within 15 days from the date of the first notice, the student may be dropped from the rolls of the University. In addition, the check will be turned over to the county attorney for prosecution. Students dropped from the rolls of the University for failure to redeem an unpaid check or checks within the prescribed grace period are eligible for reinstatement only upon redemption of such check or checks, plus penalties, and the payment of a reinstatement fee of \$50.

If a tuition and fee check is returned unpaid, the time allowed to clear the check will be specified in the return check notice. Failure to clear returned fee checks by the due date given will result in cancellation of the student's registration.

## Cash Needs

It is recommended that students have a checking account to meet cash and other financial needs while attending the University. Students having ATM cards may use the automatic teller machines located near the east entrance to the Memorial Student Center (MSC). Students may also cash personal checks for up to \$50 at the main desk of the MSC.



# Academic Rules and Regulations

## Student Handbook

Students are provided a copy of the Texas A&M University Health Science Center College of Medicine Student Handbook. This handbook is the official statement of rules and regulations that govern student conduct and student activities at the College of Medicine.

## Graduate Student Rules and Regulations

Graduate student rules and regulations are published in Texas A&M University Regulations and the Texas A&M University Graduate Catalog. The College of Medicine Graduate Instruction Committee has the responsibility to oversee graduate student progress.

## Grading

A student's grade in every course in the curriculum of the College of Medicine is based upon performance and/or participation in classes or clinical rotation, laboratory work, examinations, professional attributes and other activities applicable to that course. The proportionate weight of each factor is set by the department administering the course. The basis upon which the final grade is determined is announced in writing by the third class meeting and is not changed during the academic year.

Grades used in the College of Medicine and their significance are as follows:

- A –Excellent, 4 grade points per credit hour
- B –Good, 3 grade points per credit hour
- C –Satisfactory, 2 grade points per credit hour
- F –Failure, no grade points
- I –Incomplete, no grade points
- S –Satisfactory
- U –Unsatisfactory
- W–Withdrawn

Graduate students must maintain a minimum overall grade point ratio of 3.0 to remain in good academic standing. A grade of A, B, C or, in certain designated courses, S, must be attained in all required courses of the medical curriculum in order to satisfy the requirements of the M.D. degree. The minimum overall grade point ratio a medical student must attain for graduation is 2.00. Further information about grading and promotion can be found in the Student Handbook.

## Professionalism

Students entering a formal medical education program are expected to uphold and adhere to the ethical and behavioral standards of the profession of medicine. The development and maintenance of a professional attitude is an ongoing responsibility of each student. Evaluation of professional behavior is an integral part of the curriculum and it will be a factor in assigning grades and determining promotion, retention or dismissal.

## **Degree Information**

The College of Medicine offers the Doctor of Medicine, Master of Science and Doctor of Philosophy degrees.

### **The Doctor of Medicine Degree**

The Doctor of Medicine degree is awarded at the completion of the four year program to those students who have attained a grade of at least 70 percent (C) or a pass in the courses and clerkships in the medical curriculum, and who have satisfactorily demonstrated to the faculty the personal and professional qualities essential to the practice of medicine.

College of Medicine students who qualify for the Doctor of Medicine degree and who attain a grade point ratio of 3.5 or above in their professional medical curricula are awarded a degree "With Honors."

Commencement for College of Medicine students who have earned the Doctor of Medicine degree takes place at the end of the spring semester. The Helen Salyer Anderson Award, the most prestigious award given by the College of Medicine, is presented at commencement to the outstanding graduate.

### **The Doctor of Philosophy Degree**

A graduate program in basic medical sciences, leading to the degrees of Master of Science and Doctor of Philosophy, was instituted at the College of Medicine in 1985.

A special feature of the program is an emphasis on broad-based instruction in medical sciences. Faculty members in the College of Medicine believe that the highest quality teaching and research in medical sciences is achieved in programs that provide a strong, conceptual framework derived from a firm foundation of formal course work.

Traditionally, degrees in basic medical sciences have been awarded in clearly subdivided disciplines such as anatomy, biochemistry, microbiology, pathology, pharmacology and physiology. However, the boundaries separating these disciplines have become less distinct because of the necessity for interdisciplinary collaboration in biomedical research. Although medical schools increasingly require their faculty members and medical researchers to have a broad education in medical sciences, most graduate programs continue to use traditional curricula restricted to fairly narrow departmental lines. The graduate program in medical sciences at Texas A&M University is designed to remedy this deficiency by bridging traditional disciplines through both course work and research.

The Ph.D. program requires a combination of formal course work and research and dissertation work. To ensure the multidisciplinary nature of the program, each student is required to complete courses from at least four discipline areas.

The core courses requirement is flexible in that courses taken elsewhere that are equivalent to core courses in concept can be substituted for the core program. Students with advanced standing in core course disciplines may have the requirement waived and proceed directly to a more advanced course sequence.



Upon application to the program, each student declares an area of research interest from the basic disciplines of anatomy, biochemistry and medical genetics, microbiology and immunology, pathology, pharmacology and toxicology, or physiology. The graduate advisor for that discipline area designs, with the student, a course of study that generally requires four to five years to complete.

The College of Medicine calendar is independent from other University schedules, although most graduate courses are on the University Semester System. The academic year for the College of Medicine is divided into three terms and a summer session that is usually used for research.

For more information, contact the Office of the Associate Dean for Graduate Studies and Research.

## **Curriculum**

The Doctor of Medicine Degree requires a minimum of four years of study. Students spend their first two years in College Station studying basic medical sciences. Each course includes clinical correlational experiences, so students begin acquiring clinical skills in their first year. During the second year, students spend half a day each week learning fundamental clinical skills under the supervision of practicing physician faculty members.

The ethical and social aspects of medical practice receive special emphasis in the curriculum. The Department of Humanities in Medicine provides lecture, discussion, and small group case studies that focus on the humanistic concerns of the ethics of modern medicine.

During the third and fourth years in Temple, Texas, students receive clinical training in several different patient care settings: Olin E. Teague Veterans' Center, Scott & White Memorial Hospital and Clinic, and Darnall U.S. Army Hospital at Fort Hood. Small classes permit individual attention and close working relationships between faculty and students.

The courses included in each year are as follows:

### **First Year**

- Gross Anatomy
- Microscopic Anatomy
- Neuroanatomy
- Medical Physiology
- Medical Biochemistry
- Genetics
- Behavioral Science
- Working with Patients
- Introduction to Physical Diagnosis
- Humanities in Medicine
- Leadership in Medicine

### **Second Year**

- Pathology
- Microbiology
- Pharmacology

- Introduction to Medicine
- Introduction to Clinical Psychiatry
- Introduction to Obstetrics/Gynecology
- Introduction to Pediatrics
- Clinical Preceptorships in Primary Care Medicine
- Medical Humanities
- Electives (by department)

### **Third Year**

Required Clerkships:

- Internal Medicine
- Surgery
- Obstetrics/Gynecology
- Pediatrics
- Psychiatry
- Family Medicine
- Principles of Radiology

### **Fourth Year**

Required Clerkships: 6 weeks

- Neurology
- Alcohol & Drug Dependence Program

Electives: 31 weeks

Didactics: 3 weeks

- Medical Jurisprudence
- Epidemiology/Public Health/Biomeasurements
- Humanities

## **Graduate Medical Education**

Graduate medical education, which encompasses numerous programs of formal specialty and subspecialty training and education, is required to become board certified in a medical specialty. The programs require from three to seven years of clinical education subsequent to receiving the M.D. degree as required by 26 medical specialty review committees that govern and accredit them. The Texas A&M University College of Medicine - Scott and White programs participate in the National Residency Matching Program to fill its residency positions while the College of Medicine affiliated Emergency Medicine residency program at Darnall Army Community Hospital utilizes the military selections system.

Scott and White Memorial Hospital has sponsored graduate medical education programs since the 1920s and currently has greater than 200 residents and fellows in training. In several programs affiliated hospitals are utilized for training, including the Veterans' medical centers in Temple and Waco, Darnall Army Community Hospital at Fort Hood, Texas, Ben Taub and Shriners Hospitals in Houston and others. Currently the Texas A&M University College of Medicine - Scott & White residency programs include: anesthesiology, emergency medicine, family practice, general surgery, internal medicine, obstetrics and gynecology, ophthalmology,

orthopaedic surgery, pathology, pediatrics, plastic surgery, psychiatry, radiology and urology. Subspecialty or fellowship programs include: cardiovascular disease, endocrinology, diabetes and metabolism, gastroenterology, hematology, hematopathology, oncology, and pulmonary disease.

For more information, contact the Graduate Medical Education Department at Scott and White, (817) 774-2232.

## **Leadership in Medicine**

The College of Medicine has created an enrichment program for all medical students to prepare them to take a leadership role in meeting the challenges of health care in the 21st century. Over the four year curriculum, students will participate in small group discussion sessions, work with a distinguished Texas A&M faculty member/mentor, receive enhanced assistance in choosing a medical residency, and in the fourth year spend an extended period of time with an individual recognized as an outstanding leader in his/her field.

The faculty of the College of Medicine believes strongly that this institution has a responsibility to inspire in its students the highest ideals of service. The Leadership in Medicine program gives students the skills to take an active role in improving the society in which we live.

## **Student Governance**

The Texas Aggie Medical Student Association serves as an umbrella organization for student organizations deriving from and serving the interests of medical students of the Texas A&M University Health Science Center, College of Medicine. This organization shall represent the College of Medicine's Student Body.



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# Student Affairs

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## Office of Student Affairs and Admissions

The Office of Student Affairs and Admissions is responsible for assisting students with academic, personal and social matters. It functions as a point of reference for general information, counseling, student records, student health insurance, financial aid and graduation procedures. The staff is eager to assist students with questions or problems.

## Health Services

The A.P. Beutel University Health Center is a modern clinic that provides outpatient services and beds for 44 inpatients. The medical staff is composed of general practitioners and consulting specialists in medicine, surgery, orthopedics, urology, gynecology, and a satellite counseling service.

First- and second-year College of Medicine students and graduate students pay a health center fee that entitles them to clinic visits as needed, most diagnostic examinations, ten days of hospitalization per semester, and X-rays and laboratory tests as needed. There is a nominal charge for prescription medications.

## Housing

On the College Station campus, medical students and graduate students are responsible for their own living arrangements. An ample selection of off-campus housing is available in Bryan-College Station and many off-campus apartments are served by the campus shuttle bus system. The supply of on-campus housing is limited. On-campus housing is not available to graduate students except during summer school. Graduate housing is available in the TAMU Student Apartments. More information is available from the University housing offices.

The College of Medicine manages 66 apartments for its third- and fourth-year medical students on the grounds of the Olin E. Teague Veterans' Center in Temple. The apartments range in size from efficiencies to large two bedroom units. For more information, contact the Student Apartment Manager at (817) 773-0513 or the Office of Student Affairs and Admissions. Off-campus private housing is also an option.

## Student Health Care Plan

TAMU College of Medicine and the Scott & White Clinic have developed the Texas A&M University College of Medicine Student Health Care Plan. The plan is comprehensive yet inexpensive. All medical students and their legal dependents are required to have in force a hospitalization insurance policy which meets or exceeds the coverage described in the "Minimal Requirements for Hospitalization Insurance." Physician services and outpatient laboratory and x-ray services (with some exclusions) will be provided free of charge to students and their legal dependents while: 1) the student is enrolled in the College of Medicine, 2) the care is provided in one of the Scott & White facilities, and 3) the required hospitalization insurance is

maintained by the student. Physician services or laboratory or x-ray services provided elsewhere are not covered. For further information please contact the Office of Student Affairs and Admissions.

## **Liability Insurance**

All second, third and fourth year medical students are required to have professional liability insurance prior to working with patients. The cost is nominal (\$150/year as of 1996) and applications and payments must be processed through the Office of Student Affairs and Admissions prior to June 15th each year.

## **Psychological Counseling**

Psychological counseling is available from both Texas A&M University and the College of Medicine. Texas A&M University offers confidential limited duration professional psychological counseling free to all students. The Student Counseling Service is located on the third floor of the YMCA Building; students may call 845-4429 or visit anytime between 8 a.m.-5 p.m.

The College of Medicine also offers personal counseling to its medical students for a limited period at no cost to the student. Students who select counselors other than those provided by the College of Medicine must pay for counseling themselves. Students whose problems require prolonged or more in-depth psychotherapies, or who have psychiatric emergencies requiring immediate stabilization, must bear any cost of their therapies that is not covered by their insurance policies.

Students who have any questions about where to go for help or who need assistance in arranging counseling should contact:

The Associate Dean for Student Affairs and Admissions, College Station  
The Assistant Dean for Student Affairs, Temple.

## **Academic Counseling**

Counseling for academic concerns is available from a number of sources. Department heads, assistant and associate deans, and faculty advisors are available for consultation concerning academic difficulties and are prepared to offer assistance to students when required. During the third and fourth years on the Temple campus, students select a faculty advisor with whom they can meet and discuss choices of electives, residency training, and other career decisions.

## **Tutoring**

Tutoring is available at the College of Medicine from professors and from qualified upper-class students who work as departmental tutors.

## Disadvantaged Student Support

The College of Medicine makes a vigorous effort to maximize opportunities for disadvantaged students. The College offers summer programs for disadvantaged high school and college students as well as seminars on application completion and interviewing. It also provides tutorial support and counseling for medical students. Its curriculum is designed to provide a multicultural educational experience and to enhance learning on both the human and the academic levels. The College of Medicine encourages inquiries and applications from any potential medical student.

## Student Organizations and Honor Societies

### Student Organizations

**The Texas Medical Association and American Medical Association** offer membership to all medical students under local county medical society sponsorship. All students are encouraged to join and to become involved in these important organizations.

**Women in Medicine** addresses the special issues and problems of women in medicine and provides a forum for the interaction of women medical and graduate students, faculty, and community health professionals. It encourages women and minorities to enter the medical field and promotes faculty and physicians as mentors and role models. WIM also seeks to increase coverage of women's health issues in medical education, and to educate women to become full participants in their own health care.

**The Student Association of Family Physicians** is a service and educational organization. Its meetings often feature lecturers in family medicine. Members of the club are active in community health services and health education programs in local schools.

**Texas Aggie Medical Student Association** is a recognized student organization on campus. All medical students are members of the association. Activities include participation in local health fairs, fun runs and intramural athletics.

**The Organization for Minority Issues in Medicine** exists for all medical students of the College of Medicine. The organization maintains three fundamental goals: 1) to educate and sensitize fellow students and faculty on health care issues and the needs of minorities enrolled in the College of Medicine; 2) promote unity and provide social and academic assistance for minority students; and 3) to help with the recruitment and admissions of minority students to the Texas A&M University College of Medicine.

**The Organization of Student Representatives** was created to incorporate medical students into the activities and governance of the Association of American Medical Colleges (AAMC). While all students are actually members of OSR only one official and one alternate representative may be elected from each school. Representatives are asked to attend regional and national AAMC meetings.

**The Christian Medical and Dental Society** is a nondenominational Bible study group of medical students, faculty and staff members. The society meets weekly, and often features guest speakers.

**Student Advocacy Committee (SAC)** provides confidential assistance and referral for professional help to students who are abusing alcohol or drugs, or experiencing psychiatric-emotional problems. At the beginning of the spring semester, one male and one female are selected by the first-year class as SAC representatives. These representatives serve for four years.

## **Honor Societies**

**Alpha Omega Alpha Honor Medical Society**—national medical honor society Phi Kappa Phi—a multidisciplinary honor society for juniors, seniors and graduate students.

## **Campus Environments**

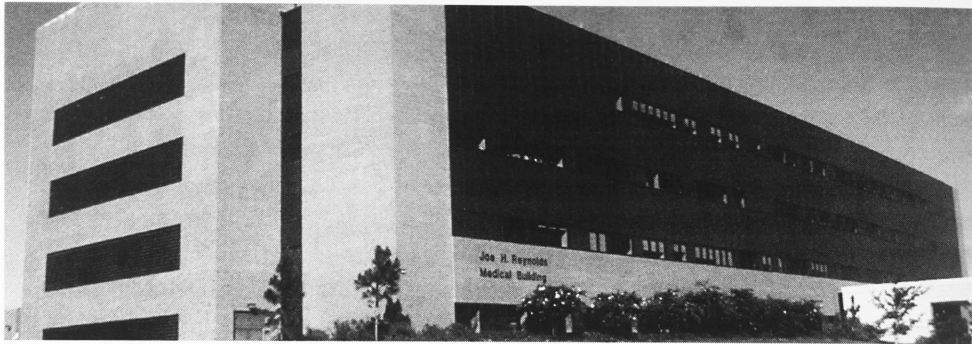
### **College Station**

Texas A&M University is located in College Station, Texas. Bryan adjoins College Station, and the two cities have attained a combined total population of about 110,000. Bryan-College Station is located in east-central Texas in Brazos County between the Brazos and Navasota Rivers on the edge of the Gulf Coastal Plain. Education is the largest industry in Bryan-College Station. The Texas A&M University System employs about 11,000 people in Brazos County. Other major employers include Westinghouse, Agency Records Control, and Alenco. For employment information, write the Texas Employment Commission, 801 East 29th Street, Bryan, TX 77801, or the Personnel Office, Texas A&M University. Shopping in Bryan-College Station is available in a great variety of retail outlets. Both Bryan and College Station have shopping malls. Post Oak Mall in College Station is the largest in the area. In addition, there are numerous small shopping centers throughout both cities and stores in downtown Bryan. Cultural activities in Bryan-College Station are organized by both Texas A&M University and the Brazos Arts Council. The Opera and Performing Arts Society at Texas A&M imports onto campus many types of entertainment, from light and grand opera to ballet and symphonies. A local theater group, a community orchestra and community singers, an Art League, and a nature museum also offer entertainment and educational programs. The Great Issues program at Texas A&M sponsors lectures by nationally known speakers. The Town Hall Series brings both popular and classical artists and entertainers to perform on campus. Many recreational opportunities are available to participants of all ages. The two cities maintain 40 parks, six swimming pools, two golf courses, and numerous tennis courts. In addition, there are a number of private and University recreational facilities.



**Temple**

Temple, the largest city in Bell County, Texas, is located near the geographic and population center of Texas. Temple itself has a population of about 50,000. The Bell County (Killeen-Temple-Belton twenty miles from Fort Hood, Belton, Killeen, Lake Belton and Stillhouse Hollow Reservoir. Medicine is the largest industry in Temple. Four local hospitals, Scott and White Memorial Hospital and Clinic, The Scott and White Santa Fe Center, The Olin E. Teague Veterans' Center, and King's Daughters Hospital provide over 1500 beds, and employ approximately 5,000 people. Other major employers in Temple include Mobil Chemical Company, Texas Instruments, Inc., McLane Company, Inc., Ralph Wilson Plastics, Inc., American Desk, Artco-Bell, the Santa Fe Railroad, and Western Auto. Temple has a pleasant small town atmosphere in a region with Sunbelt-style growth. Public cultural facilities include the Temple Civic Theatre, the Azalee Marshall Cultural Activities Center, the Frank W. Mayborn Civic and Convention Center, and the Temple Public Library. Numerous churches, parks, lakes, adult education at Temple Junior College, and the Central Texas Orchestral Society offer Temple residents many cultural and educational opportunities.



Joe H. Reynolds Building



Scott & White Memorial Hospital and Clinic



Darnall Community Hospital



The Teague Center

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# Facilities

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## The College Station Campus

**The Joe H. Reynolds Building**, located on the west side of the Texas A&M campus, houses the teaching and research facilities for the basic science departments. The College of Medicine administrative offices, institutes, and departmental offices for Human Anatomy and Medical Neurobiology, Family and Community Medicine - College Station campus, Humanities in Medicine, Medical Biochemistry and Medical Genetics, Medical Microbiology and Immunology, Medical Pharmacology and Toxicology, Medical Physiology, and Pathology and Laboratory Medicine are in the building.

## The Clinical Campus

The Clinical campus of the College of Medicine consists of the Scott and White Memorial Hospital and Clinic, the Central Texas Veterans Health Care System, and Darnall Army Community Hospital.

**Scott and White Memorial Hospital and Clinic** traces its origin to a partnership formed in 1897 between two young frontier doctors, Arthur C. Scott, M.D., and Raleigh R. White, M.D., Joint Chief Surgeons, of the Santa Fe Railroad hospital in Temple. Scott and White was first accredited by the American Medical Association for graduate training of physicians in 1920. It moved to its present 240 acre hilltop site just south of downtown Temple in 1963. It became associated with the Texas A&M University College of Medicine in 1974, prior to the opening of the school.

The Scott and White health complex is composed of Scott and White Memorial Hospital, and the Scott, Sherwood and Brindley Foundation, Scott and White Clinic and the Scott and White Health Plan. Scott and White Memorial Hospital is a nonprofit hospital operating 463 beds. Among its special facilities are the Lucy King Brown Special Treatment Center, the Mabee Diagnostic Center, the W. Guy Draper and Monette Jordan Draper Critical Care Center, and the Jesse H. and Mary Gibbs Jones Perinatal Center. In addition, the Scott and White Santa Fe Center offers skilled nursing beds, geriatric, and alcohol and drug rehabilitation services. The Scott and White Clinic staff, all faculty members in the College of Medicine, is composed of about 460 physicians and nonphysician scientists who practice in virtually every recognized medical specialty. Scott and White is a tertiary care center that serves central Texas. In addition, patients are referred to Scott and White from throughout Texas, the Southwest and Mexico.

Scott and White maintains 15 meridian regional clinics in Killeen, McGregor, Moody, Hewitt, Waco, Georgetown, Goldthwaite, Gatesville, Taylor, Belton, Brownwood, Round Rock, Bellmead and College Station, Texas. The Scott and White Clinic in College Station, opened in 1986, is staffed by more than 50 physicians in 23 medical specialties. The Texas A&M University College of Medicine departmental offices for Internal Medicine, Obstetrics and Gynecology, Pediatrics, Psychiatry and Behavioral Science, Radiology, and Surgery are housed at the Scott and White Hospital and Clinic. The Family and Community Medicine departmental office is located in a separate clinic at the Santa Fe Center in Temple.

The Central Texas Veterans Health Care System is a consortium of Veterans Administration Hospitals which serve veterans in a 35-country primary service area in central Texas. **The Teague Center**, which was originally opened in 1942 as the McCloskey General Army Hospital, is located on a 185 acre site one mile south of downtown Temple.

In June of 1946, Congress transferred control of the facility from the army to the Veterans Administration for use as a Veterans Administration General Medical and Surgical Hospital. Modernization of the 1,200 bed center began in 1967 when the two main hospital buildings were dedicated and continued with the opening of a nursing home in 1981. A \$25 million clinical expansion project, completed in 1986, greatly expanded patient care facilities, especially surgical areas. Construction of a new 408 bed domiciliary complex was completed in 1990. Plans are now underway for another significant addition, a \$50 million, 300 bed replacement building. Located in Temple, Waco and Marlin the centers have a combined total of 1,088 beds and include a general medical, surgical and psychiatric teaching hospital, domiciliary and nursing home care unit and medical research laboratory facilities. Most physicians and physician scientists are faculty of the College of Medicine. Texas A&M University and the Department of Veterans Affairs jointly support several medical research projects conducted by faculty members to improve the health care of our nation's veterans. Admissions totaled more than 10,900 in 1994-95, and the outpatient clinics logged more than 366,645 visits. The medical center's annual operating budget is more than \$188 million. A medical research laboratory building at the center is available to Texas A&M researchers and students. Apartments, a student union, and a media center for Texas A&M medical students are also located on the Teague Center grounds.

**Darnall Army Community Hospital** at Fort Hood (between the cities of Killeen and Copperas Cove) opened in April, 1965. It was the first of three permanent Army hospitals of the 200-300 bed-size to open. Constructed in the latest military design of that time, the original building cost \$6,151,700 and was furnished with a \$6 million inventory of equipment. The building consisted of a basement and five floors with 250,000 square feet of space, providing medical service for 285 bed patients.

By 1978, the Fort Hood population entitled to medical care (soldiers, their family members and retirees) had soared to 160,000. To meet the increasing needs for medical care, a massive renovation and addition project was designed. The construction project began April 3, 1979, and when completed in 1984, the \$50 million renovation doubled the original size and brought the hospital into compliance with the National Fire Protection Association, Occupational Safety and Health Act, and Joint Commission on Accreditation of Hospital standards.

Today, Darnall encompasses over 500,000 square feet with a bed capacity of 264. There are eight intensive care beds, 91 surgical beds, 22 pediatric beds, 44 bassinet beds, 40 psychiatric beds, 17 labor and delivery beds, and 42 post-partum beds. The hospital staff is composed of 689 civilian workers and 678 military personnel. Its operating budget for fiscal year 1994 is \$133.5 million. The hospital's area of responsibility extends to 175 counties north of Austin, serving a population of 344,000. Nearly half of those patients live within 40 miles of the hospital. There are 2,593 clinic visits to the speciality clinics and 10 troop medical clinics throughout Fort Hood. Darnall delivers more babies than any hospital in the Department of Defense, averaging 10 per day.

Hospital services, physicians and administrative staff communicate through the Composite Health Care System. CHCS is a fully integrated hospital information system that connects all departments, wards and outlying clinics and integrates their information with computerized patient files. The hospital recently installed a mobile telemetry unit.

### **Other Facilities**

The College of Medicine is also affiliated with the following clinical institutions in Texas: Veterans Affairs medical centers in Waco and Marlin, the A.P. Beutel Health Center at Texas A&M, Brazos Valley Medical Center, St. Joseph's Regional Medical Center, Planned Parenthood of Brazos County in College Station, Grimes Memorial Hospital in Navasota, St. Jude Hospital in Brenham and Madison County Hospital in Madisonville.



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# Library Facilities

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## Medical Sciences Library

This professional research library is located across from the College of Veterinary Medicine and adjacent to the College of Medicine. Its specialized collection of biomedical books and journals is used by the College of Medicine and the College of Veterinary Medicine and other A&M faculty and students. The Medical Sciences Library's collection holds over 100,000 volumes of journals and books. The library currently receives 1700 subscriptions to American and foreign biomedical periodicals.

The Medical Sciences Library, with the hospital libraries at Scott & White and the Temple Integrated Clinical Facility (Department of Veterans' Affairs Central Texas Health Care System), form the Texas A&M University Consortium of Medical Libraries, sharing resources, providing telefacsimile transmission of documents between libraries, and supporting information services to the College of Medicine's Temple campus.

Clients of the library can ascertain what books or journal articles have been published on a biomedical topic by using electronic indexes or databases. Some of these databases are available both from computer workstations in the library and by network access from labs and homes. MEDLINE (1966-present), BIOSIS (1993-present), and Current Contents (most recent 6 months). Other databases, such as TOXLINE and Life Sciences, are available only from workstations within the library. Library staff provide classes and one-to-one instruction in searching these databases. Instructional materials are also available.

The library is open 99 hours each week and has an open stack arrangement. Its public catalog (NOTIS) is available in the library, through the campus network, and by dial-up access. Books are loaned for two weeks; journals do not circulate.

All libraries within the consortium offer on-line database literature search services to students, faculty members, and staff of the College of Medicine. The Medical Sciences Library extends service to medical and veterinary practitioners in the region. Librarian searchers can access more than 200 National Library of Medicine and commercial databases covering a wide range of subjects including medicine, medical humanities, sociology, chemistry, law, engineering, and biology.

## Learning Resources Unit

The Learning Resources Unit (LRU) is the primary study facility for medical students on the College Station campus. Occupying 6,100 square feet of the first floor of the Medical Sciences Library Building, the LRU houses approximately 1,500 self-assisted instructional audiovisual programs and 1,200 basic text and reference books for the basic sciences in an open stack system. Study rooms and study carrels are equipped with video, audio and slide playback capabilities for viewing programs. A microcomputer lab provides Macintosh and IBM-compatible personal computers with interactive capabilities. Binocular microscopes, a heart sound simulator, models, and copy and fax machines are also available for student and faculty use. The LRU is open 101 hours per week with study facilities restricted to use by students and faculty of the College of Medicine.

## **Sterling C. Evans Library**

Texas A&M University's principal research collections, with more than 2 million volumes, 4 million microforms and 13,000 serials, are housed in the Sterling C. Evans Library at the center of the Texas A&M University campus.

## **Clinical Campus Libraries**

The libraries of the Olin E. Teague Veterans' Center and the Scott & White Memorial Hospital extend library privileges to Texas A&M University medical students. The Teague library consists of a collection of 5,330 books, 600 audiovisuals and 400 current journals. The Scott & White library contains a collection of 8,960 books and over 980 current journal subscriptions.

## **College of Medicine Media Center, Temple Campus**

The Media Center, located in the Student Union Building at the Olin E. Teague Veterans' Center, houses 900 self-assisted instructional audiovisual programs and 400 basic medical reference books for the clinical sciences in an open stack system. The services provided by this center are similar to those of the LRU on the College Station campus including a micro-computer lab, audiovisual Ciba slide collection and residency information. The Media Center is open 83 hours per week with study facilities restricted to use by students and faculty of the College of Medicine.

## **Office of Information Technology**

The Office of Information Technology provides comprehensive computing and communications support for the Health Science Center including the teaching, research, administrative, and public service efforts of the College of Medicine. Computing services include network services, information systems, and user support. Communications services include telemedicine support, distant learning support, and teleconferencing. Communications production services include communications design and production, imaging, illustration, publication design, video production, interactive multimedia and web development, and computer animation.

The department includes three components, Telecommunications and Computing Group , the Biomedical Communications Group, and the Information Environment Lab supports interdisciplinary research projects that explore applications of telecommunications and computing technologies including user experience and effectiveness within those systems.

### **Telecommunications and Computing Group**

The Telecommunications and Computing Group supports and maintains a sophisticated computer network linking the College of Medicine facilities at the Temple, Fort Hood, and College Station campuses. This network facilitates communication for administrative, research and teaching activities, enabling high-speed data exchange between the College's computers and access to the Internet. This group also develops and maintains the College's enterprise-wide information system which supports teaching, research and administrative functions.



This group also operates and maintains the College's telemedicine, teleconferencing, and distance learning systems. The College Station campus is connected via a two-way full motion video microwave link to the clinical campus in Temple, Texas. This link connects the Reynolds Medical Building in College Station with the Olin E. Teague Veterans Center and Scott & White Hospital and Clinic, both in Temple. The Veterans Administration hospitals in Waco and Marlin also are accessible through this system. The Trains-Texas Video Network also is linked to this system. The Trains-Texas Video Network connects many locations across Texas using compressed video for conferencing activities.

The Telecommunications and Computing Group operates the computer network and video network within the medical school facilities. Origination and reception sites are configured in a matrix allowing any origination site to be viewed by any subset of reception sites. Two primary classrooms are equipped for interactive distance learning, including individual communication between an instructor at one site and students at another site. These facilities can accommodate faculty and professional meetings as well as classroom lectures. Facilities are equipped for videotaping of classroom lectures, seminars, and teleconferences. A telemedicine studio within the department is used for telemedicine research, video production, and live video origination. An automated teleconference room in the Reynolds Medical Building is used for committee and administrative meetings.

The major lecture halls are equipped with projection television or video monitors, and telephone handsets at each seat. Lectures originating from either campus can be viewed simultaneously at both, and students may ask questions or respond to the lecturer by using the telephone handsets. The system is also used routinely for teleconferences.

The Veterans Administration Hospitals in Temple, Waco, and Marlin, Scott and White Hospital in Temple, the Darnall Army Community Hospital and the College of Medicine are all interconnected by the system. Programs originate from institutions in the network and are targeted for audiences of students, patients, or physicians.

Data transmission, shared programs and files, and electronic mail are accomplished with a microcomputer network system that interlinks the departments of the College of Medicine in College Station and locations in Temple and Fort Hood. The system also connects primary computer facilities in the Texas A&M University Computing and Information Services Center and the Internet.

These sophisticated communications systems minimize the effect of the 85 mile distance between the Temple and Fort Hood campuses and the College Station campus. Basic science teaching activities are facilitated and enriched by access to distant clinical sites and clinical experiences of the students benefit from ready access to basic science faculty and researchers. The College of Medicine uses a broad range of interactive teleconference systems to bring the campuses together.

### **Biomedical Communications Group**

Communications production services provided by this group include imaging and photographic laboratory services, technical and medical illustration, publication design and production, computer graphics and animation design, and other support materials production for academic publications and presentations.



Imaging services available include general studio photography, medical photo-illustration, copy photography, and specimen photography including photomacrography and photomicroscopy. Macroscopic lighting techniques include dark field and scanning light. Microscopic lighting techniques available include a full range of contrast enhancements such as phase contrast, Normarski, ultraviolet, fluorescence and others. Complete black and white and color laboratory services are available as well.

Graphic design and production services include full support for research publication graphics, brochures, presentation slides, and computer presentations. Publication design, layout and production services are available for brochures, instructional materials, technical publications, newsletters, and catalogs. Conventional and computer illustration services are available as well.

### **Information Environments Lab**

This interdisciplinary research laboratory explores more effective ways to communicate by focusing on human experience in interaction within information-rich environments. A key goal of this effort is to develop more effective means of communicating complex information in medical consultations and procedures. Applications include patient education in medical and non-medical settings, multiple instructional modalities within a single information system, and considering emotional in making treatment decisions and recovering from or adapting to illness or medical procedures.

Production components which support these efforts include video production, audio production, computer animation, interactive multimedia development, and web site development. Production facilities within the department include a non-linear video editing suite providing broadcast-quality output; a telemedicine studio; a digital audio workstation; a complete music composition and production studio; a multimedia development system; and a Silicon Graphics workstation running SoftImage, Wavefront, Data Visualizer and other leading animation and visualization software.

Clinical associates in the private sector provide research sites for the communications programs developed as a part of I.E. Lab projects. Research on communications methodologies yield measures of the effectiveness of these materials that are used to refine future projects.



# Course Descriptions

All courses offered in the College of Medicine are described on the following pages and are listed by departments, arranged alphabetically. Figures in parentheses following some course titles indicate the clock hours per week devoted to theory and practice, respectively. Theory includes recitations and lectures; practice includes work done in the laboratory and clinical settings. The unit of credit is the semester hour, which involves one hour of theory, or from two to four hours of practice per week for one semester of 16 weeks. Any course may be withdrawn from the session offerings when the number of registrations is too small to justify offering it.

## Department of Anesthesiology (ANES)

**Professors:** R.D. Bastron, J.L. Hoffer, C.H. McLeskey (Head);

**Associate Professors:** J.D. Bean, B.H. Kim, O.E. Kitchings, T.K. Matthews, W.S. May, G.H. Morton;

**Assistant Professors:** T.M. Bittenbinder, S.E. Borum, K. F. Elliott, J.R. Gibson, Jr., M.L. Glasgow, D.F. Gloyna, A.J. McDavid, W.J. Miluszusky, B.L. Pollock, P.A. Rinaldi, C.R. Roberson, A.L. Stuart, F.J. Villamaria, V.R. Yeleti;

**Clinical Assistant Professor:** P.B. Ryan.

The elective clerkships offered by the Department of Anesthesiology are designed to provide an introductory experience in the practice of anesthesiology. The one-week third year elective introduces the student to basic principles of anesthetic care in the operating room, under supervision of a senior staff anesthesiologist or resident. The student gains practical experience with airway management, including endotracheal intubation. The four-week fourth-year elective attempts to familiarize the student with the breadth of clinical anesthesiology. Through a lecture series and daily OR experience, the student is introduced to the pre-operative evaluation, anesthetic management, and postoperative care of surgical patients. Emphasis is given to the pharmacology and practical use of common general and local anesthetic agents, management concepts of mechanical ventilation, and essentials of fluid and transfusion therapy. Further experience in anesthesia subspecialty areas are provided.

**Clinical Anesthesiology. ANES983301. 4 Weeks.** To provide an introductory experience in the practice of anesthesiology. Prerequisite: Satisfactory completion of year three of the medical school curriculum.

**Pain Clinic. ANES983308. 4 Weeks.** An introduction to acute post-operative pain and chronic pain syndromes Prerequisite: Satisfactory completion of the clinical anesthesiology elective.

**Clinical Anesthesiology. ANES983312. 4 Weeks.** To provide an introductory experience in the practice of anesthesiology at the Olin E. Teague Veterans Administration Hospital. Prerequisite: Satisfactory completion of year three of the medical school curriculum.

## Department of Emergency Medicine (EMER)

**Associate Professors:** B.C. Bollinger, B.H. Chlapek, G.D. Hobbs (Head);

**Assistant Professors:** B. Bass, J. Baskerville, R. Bowers, L.M. Bryson, T.C. Coburn, M. Copola, R. Delorenzo, C. Falcon, C.W. Gossett, R. Greenberg, T.J. Greene, K. Johnson, T.R. Jones, M. Karnes, K. Locke, J.T. McDonnold, J.F. Moshinskie, M. Norwid, P.B. Rosen, D.A. Smith.

Emergency Medicine has emerged as a specialty with its own training programs, specialty boards, literature, etc. Our approach to patient management is tempered by the unique circumstances of the emergency department. Many patients with multiple and different problems of varying duration and varying severity must be seen, examined, have workups started, receive treatment and have dispositions made. Often several patients are being cared for one at a time. The need to give quality care is an ever present factor as is the need to expedite each case, avoid unnecessary history, physical examination, lab tests, procedures, etc. Add to this the ever constant possibility of receiving one or more critically ill patients, and it is easy to understand that the Emergency Department must have (and does have) its own "style" of medicine.

The goal is to teach some of the basic concepts of emergency medicine. This involves formal discussion, reading of the literature, and most importantly allowing students to handle their own case with the appropriate amount of supervision. Important concepts, etc. include: patient triage, performing a history and physical examination that is appropriate to the individual case, and structuring an appropriate workup and following it through. Students are encouraged to learn and practice skills such as suturing, IV techniques, and any other procedure available. Students will learn how to become more comfortable in management of diverse as well as multiple patients.

**983 & 984. Elective Clerkship in Medicine. 4 weeks.** Credit 5. Prerequisite: Satisfactory completion of year three of the medical curriculum.

## Department of Family and Community Medicine

**Professors:** D.B. Cauthen (Head), R.A. DeVaul;

**Clinical Professors:** C.J. Daniel, J.J. Hall, J.I. Lindsay, J.T.L. McNew, H.D. Pope, Jr., S.H. Richardson;

**Associate Professors:** S.I. Bame, G.R. Bellamy, R.G. Morgan;

**Clinical Associate Professors:** J.N. Bryan, J.A. Dula, D.A. Gloff, R.W. Huddleston, B.C. Jones, G. R. McIlhaney, R.W. Pearce, D.R. Segrest, G.W. Smith, J.M. Weed 111, J.S. Weinblatt;

**Assistant Professors:** W.M. Averitt, W.G. Bartels, W.S. Carpentier, D.O. Cohen, N. R. Cohen, A. B. Caylor, B.A. Chumak, A.A. Cisneros, C.W. Clanton, E.A. Cooney, R. Cortes, G.R. Couchman, P.H. Crumpler, M.W. English, E. Fasolino, W.F. Floyd, P.D. Gerdes, G.R. Goebel, M.P. Hagen, B.J. Hahn, R. Harbolovic, R.A. Henry, Jr., R.D. Jensen, F.E. Jernigan, J.A. Joseph 11, K.R. Kindle, G.N. Lambert, L.A. Lawrence, O.W. Lowrey, J.E. Madsen, T.D. Maynard, D.A. McClellan, M. Mutyala, S.P. Nair, L. Ogburn-Russell, S.K. Oliver, W. Peeples, C.L. Perry, T.F. Pullen, J.R. Randles, T.G. Rascoe, A.M. Reed, M.D. Reis, L.E. Robertson, W.C. Robertson, J.R. Rosiles,

J.W. Sayre, J.G. Sharp, R.A. Smith, S.L. Smith, C.H. Stern, B. Stone, R.E. Tipton, Jr., D.E. Turvey, R. Villarreal II, T.J. Wagner, T.K. Welch, R.M. Wiprud, Jr., H.S. Wu;

**Clinical Assistant Professors:** S.A. Braden, D.J. Cabrera, R.G. Cochran, Jr., D.R. David, R.G. Ellis, A.K. Haji, R.L. Haydon, L.G. Hermann, R.E. Herron, R.A. Howard, G.C. Hubley, Jr., M.E. Jones, T.S. Novosad, S.D. Patel, C.H. Prihoda, Jr., H.J. Robinson, W.P. Roquet, D.B. Stigler, M.O. Thakrar, R.C. Tongco, L.H. Wells.

The goal of the Department of Family and Community Medicine is to prepare medical students for family-oriented health care delivery and to give students an understanding of the family as a basic unit of society. The program is broad, and it emphasizes comprehensive medical care for the whole family. It is taught by a core of full-time faculty members and a large contingent of practicing physicians who serve as part-time faculty. Together, this team exposes students to the role of the physician in the medical community as well as in the patient community.

The department offers two required courses for first year students. Working With Patients, taught in the winter of the first year, introduces students to methods for dealing with patients. Physical diagnosis, which begins in the spring of the first year, is taught jointly with the Department of Internal Medicine; it introduces students to medical history taking and bedside examination. A required preceptorship program for second year students applies the concepts of primary care to the context of a practicing physician's office. Students rotate through the local community and surrounding areas. A clerkship in the third year exposes students to family practice in a clinical setting.

The department also offers an elective course - Pre-Clinical Preceptorship Program. This course is offered during the summer months following the first year of medical school. Students are matched with a family physician in Texas and spend four weeks working with this doctor. The course is designed to improve the students' clinical skills.

**912. Working with Patients II. (2-0). Credit 2.** Medical history taking and physical assessment coordinated with recognition and management of common emotional reactions among nonpsychiatrically ill patients. Factors which may influence doctor-patient relationships. Prerequisite: Admission to medical curriculum.

**944. Clinical Preceptorship in Primary Care Medicine. (0-3).** Credit 1. Students rotate through primary care experiences in family medicine, internal medicine, pediatrics, gynecology, otorhinolaryngology, obstetrics, ophthalmology, dermatology, and orthopedics. Prerequisite: IMED 923.

**981. Seminar. (1-0). Credit 1.** Current issues in medicine. Prerequisite: Approval of department head.

**985. Problems. Credit 1 or more.** Assigned readings and practical or laboratory work with weekly discussion period in a selected area of family and community medicine. Prerequisite: Approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Special study of an identified area of clinical medicine. Prerequisite: Approval of department head.

**991. Research. Credit 1 or more.** Laboratory research in an applied aspect of the basic sciences related to clinical medicine. Prerequisite: Approval of department head.

**992. Clerkship. Credit 5.** Full-time clerkship experiences in the offices of primary care physicians. Prerequisites: Completion of first and second years of the medical curriculum.

**989-301. Pre-Clinical Preceptorship Program. Credit 3.** Students spend four weeks in the office of a family physician. Prerequisite: Successful completion of the first-year curriculum and departmental approval .

## **Department of Human Anatomy and Medical Neurobiology (MANA)**

**Professors:** M.S. Cannon, I.S. Russell, H.W. Sampson, J.W. Wagner, J.R. West (Head);

**Associate Professors:** T.H. Champney, J.B. Gelderd;

**Assistant Professors:** D.J. Earnest, R.C. Miranda;

**Assistant Clinical Professor:** G.C. McCord;

**Lecturer:** J.E. Quarles;

**Research Scientist:** C.R. Hamilton;

**Associate Research Scientist:** F. Sohrabji;

**Assistant Research Scientists:** D.L. Andrews, B.A. Vermeire

The Department of Human Anatomy and Medical Neurobiology offers training in neuroscience based on original research and graduate course work. In addition, medical courses provide fundamental knowledge in four major areas: neuroanatomy, histology, embryology and gross anatomy. Interdisciplinary programs within the College of Medicine and the University are encouraged. The research concentration of the department centers on several broad areas: brain development, including the neuroteratology of alcohol and other drugs of abuse; the structure and function of the cerebral cortex, including neuroanatomical mechanisms of learning and memory using split-brain animals; recovery of function following spinal cord damage and neural grafting; neuronal plasticity; circadian rhythms and neuroendocrinology of the pineal gland; bone and joint disease; and comparative hematology. The doctoral program in medical sciences requires original research and courses within the medical curriculum and within the student's area of specialization. Graduate students and postdoctoral fellows have the opportunity to work in faculty laboratories with specialized state-of-the-art equipment. Shared departmental resources include electron microscopes, a three dimensional imaging computer, a quantitative image data acquisition and display system, electrophysiological equipment, gamma and scintillation counters, histological, photographic and computer facilities. The Ph.D. program in Anatomy and Neurobiology usually requires four years to complete. The master of science degree is offered, in special situations, to qualified medical students or physicians in residency who want specialized anatomical training. Graduate students are expected to gain teaching experience by assisting in medical courses. Graduates from our program are prepared for careers in research and teaching in academic, industrial or governmental positions.

**601. Advanced Neuroscience. (1-2). Credit 2.** Details of mammalian nervous system including humans; focus on organization of functional neural systems and their integrative

action; dissection of human brains; use of original research papers. Prerequisites: MANA 922 and approval of instructor.

**602. Histochemistry. (1-2). Credit 2.** Basic histochemistry demonstrating tissue components and morphology; precise identification, localization of tissue components. Prerequisites: MANA 911 and approval of instructor.

**603. Special Regional Human Dissections. Credit 1-3.** Dissection of special region with more detail than in MANA 901; histological, neural and gross anatomical material utilized. Prerequisites: MANA 901 and approval of instructor.

**607. Methods of Behavioral Brain Research. (0-3). Credit 1.** Advanced laboratory course in brain and behavior research; direct supervision in brain surgery techniques, electrical stimulation, recording, behavioral training, brain imaging using autoradiography; computerized data collection and analysis. Uses laboratory animals. Prerequisites: MANA 922 and approval of instructor.

**608. Methods in Neurohistology. (1-2). Credit 2.** Instruction in anesthetization, perfusion of animals; removal of neural tissues; histological processing, staining of tissues. Prerequisites: MANA 911 and approval of instructor.

**609. Neurochemistry. (2-0). Credit 2.** Emphasis on mammalian neurotransmitter systems. Prerequisites: MANA 922 or equivalent and approval of instructor.

**640. Biomineralization in Animals. (2-0). Credit 2.** Factors involved in the process of biomineralization; role of nutrients, physiological processes and environment in normal and abnormal biomineralization. Prerequisite: Approval of instructor.

**681. Seminar Credit 1.** Focus will be on critical scientific thinking. Emphasis placed on oral communications, scientific writing, and grant preparation. Prerequisite: Graduate student in Medicine. Approval of Instructor.

**689-1. Visual Neuroscience. Credit 3.** Neural substrates of visual imaging from a retinal to cortical level. Detailed treatment of the neuroanatomical pathways and the neurophysiological coding of the retinal image and visual-motor integration mechanisms.

**689-2. Cortical Function. Credit 3.** Examine from an anatomical and physiological viewpoint several topics usually characterized as higher cognitive functions by psychologists. Topics will include mnemonic mechanisms; hemispheric specialization; the agnosias, apraxias, and aphasias; and consciousness. Both human and animal data will be considered.

**901. Gross Anatomy. Credit 8.** Relationships of structures of the human body during its development and in adult form as revealed through dissection; functional significance. Prerequisite: Admission to the medical curriculum or approval of course coordinator and department head.

**911. Microscopic Anatomy. Credit 5.** Morphologic detail of human cells, tissues and organs as demonstrated by light and electron microscopic techniques; function of structural components. Prerequisite: Admission to medical curriculum or approval of course coordinator and department head.

**922. Neuroanatomy. Credit 5.** Neural substrates for total regulation of somatic and visceral bodily function and mechanisms underlying the integrated action of the central nervous system; neurologic significance. Prerequisite: Admission to medical curriculum or approval of course coordinator and department head.

**985. Problems. Credit 1 or more.** Special problem areas within framework of human gross, microscopic, neuro- or developmental anatomy. Prerequisite: Approval of Instructor.

**991. Research. Credit 1 or more.** Original investigation of selected areas in anatomy. Prerequisite: Approval of Instructor.

## **Department of Humanities in Medicine (MHUM)**

**Professors:** J.H. Clements, J.A. Knight (Interim Head), J.J. McDermott, D.N. McMurray, D.H. Rosen, D.J. Self;

**Associate Professors:** B.J. Gastel, G.A. Russell;

**Assistant Professors:** L.W. Easterling, M.E. Herring, J.R. Pickle, B.A. Tyler;

**Adjunct Assistant Professor:** R.H. Leslie, Lecturer H.T. Bosquez.

Humanities in Medicine is a charter department in the College of Medicine. The tasks of this department include: 1) educating first and second year students in the basic ethical and social questions confronting the contemporary physician; 2) acquainting the student with the classic works in the history of medicine, social medicine and the history of literature as related to medicine; 3) integrating ethical and social concerns with the accompanying basic sciences curricula; 4) providing sustenance for students with regard to the developing relationship between scientific, technological and humanistic learning in the making of a physician; 5) stressing the complex interpersonal, social, legal and political factors in the physician-patient relationship, and 6) increasing tolerance of differing values in order to reduce prejudice in health care delivery. The department offers a required course in humanities in medicine during the first and second years. Electives are also offered during the first and second years. Symposia, workshops, electives and visiting speakers are available to first and second year students. Occasional programs are arranged for students in their third and fourth years at Temple. A course in medical jurisprudence is required of all fourth year students. Occasionally, the department sponsors regional or national conferences. Humanities in Medicine periodically invites outstanding medical humanists with national reputations to the College of Medicine to speak with medical students. Students are encouraged to visit with faculty members. Members of the department view their mission as one of helping.

**911. Medicine and Human Values: Introduction to Medical Ethics. (2-0). Credit 2.** Basic issues in medical ethics, focusing on the character of the patient-physician relationship. Prerequisite: Admission to medical curriculum or approval of department head.

**912. History of Medicine. (2-0). Credit 2.** Development of medicine in various civilizations, emphasizing relationship between medicine and society. Prerequisite: Admission to medical curriculum or approval of department head.



**921. Humanities in Medicine Seminars. (2-0). Credit 2.** A wide variety of social issues in medicine addressed from various humanities perspectives including, literature, history, law, religion, etc. Prerequisite: Approval of department head.

**941. Medical Jurisprudence. 18 clock hours.** Introduction to forensic medicine; interface between the law and health care institutions; the medical record as a legal document; the creation of litigious situations; practice management. Prerequisite: Satisfactory completion of year three of the medical curriculum or approval of department head.

**981. Seminar. (1-0). Credit 1.** Presentation by advanced students, faculty and visiting lecturers of selected topics in medical ethics, history of medicine and other areas in the humanities in medicine. Prerequisite: Approval of department head.

**985. Problems. Credit 1 or more.** Directed individual study of specialized areas of medical ethics, literature in medicine and the history of medicine. Prerequisite: Approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Selected topics in an advanced area of medical humanities. Prerequisite: Approval of department head.

**991. Research. Credit 1 or more.** Research in a specific area of medical humanities. Prerequisite: Approval of department head.

## Department of Internal Medicine (IMED)

**Professors:** G.W. Brasher, W.P. Dyck, A.B. Follender, C.J. Foulks, P.H. Howard, D.L. Hurley, K.B. Knudsen, N.S. Mann, J. P. McManus, P. Mukhopadhyay, J.P. Narro, G.C. Okeson, F. Perez-Guerra, V.K. Piziak, J.J. Rinehart, J.C. Starr, A. D. Steele, R. L. Street, E. E. Terry, A.A. Trowbridge, C.A. Verdonk, R.E. Walsh, L.E. Watson, T. Wajima, T.U. Westblom, T.H. Williams, B.T. Woods;

**Professor Emeritus:** J.H. Acker, T.I. Wallace;

**Associate Professors:** P.T. Cain, J. Caraveo, J.B. Chandler, Jr., S.H. Chen, D.E. Crisp, A.K. Cryar, W.R. Davis, B.R. Hajra, D.F. Havemann, J.A. Jackson, J.W. Jundt, R.P. Lenehan, G.D. LeSage, V.M. Malabonga, J.J. Madler, S.K. Mann, R.G. Morgan, D.L. Myers, A.E. Nickel, P.E. Ogden, M.R. Osman, D. P. Posey, W.L. Quinn, M.R. Schlabach, Sr., J.A. Schuchmann, J.G. White, J. T. Wilkinson;

**Assistant Professors:** J.H. Albers, G.D. Alpini, M.A. Amin, A.A. Avotins, L. Barenholtz, J. A. Barker, D.D. Barton, M. E. Bassel, R. Allen Baum, E.C. Berigan, P.D. Bolton, Jr., J.V. Bonds, J.R. Bowling, E.C. Brown, B.A. Browne, R.E. Calvo, J.M. Campbell J.S. Cardone, V.D. Chatham, J.N. Childs, M.V. Childs, J.W. Clark, N.R. Cohen, M. Coppola, L.L. Cortes, C.J. Cramm, Jr., K.S. Culp, F. Davila, A.N. Desai, G.B. Drake, Jr., D.R. Droemer, Jr., J.E. Dvoracek, J.A. Figueroa, P.L. Forest, D.R. Foster, E.M. Frelier, W.G. Gaines, S.A. Gammenthaler, J.E. Gammon, D.S. Gantt, J.M. Garrido, D.W. Giebel, E.G. Gowan lil, R.M. Gudewich, S.W. Gyeszly, D.L. Hackethorn Jr., B.M. Hall, R.D. Hall, S.F. Hanna, J.D. Hodges, G.P. Holmes, P.D. Houck, V.A. Israbian, R.R. James, D.M. Jermain, R.H. Jesse IV, K.M. Jew, D.L. Keyser, K.B. Kimmey, B.D. Koehler, W.N. Lane, D. Leak, J.Y. Lee, S.H. Lee, P.D. Lemper, F.G. Lim, D.L. Lindzey, P.P. Litam, D.G. Lowe, D.A. Mackey, J.J. Malina, M.P. Martin, G. Martinez, J.L. May, R.F. McCollough, S.A. McMahan, I.D. Mutyala, B.B. Niemann, D. Nye, W.G. Petersen, N. Pokala, S. Pokala, M.R. Prasad, A.E. Price, L.D. Price, D.P. Quick, V. Rajagopalan, D.E. Rawls, G.J. Resendes, B. Richardson, J.J. Rohack, C.D. Rowlett, J.W. Ryan, E.A. Sammer, D.J. Smith, D.A. Smith, G.D. Smith, G.A. Smith,

M.A. Smith, J.M. Spann, W.G. Stanley, C. Stauffer, C.G. Stephens, L. Sukumar, S. Sundaram, D.W. Taylor, S.C. Walker, B.A. Weiss, D.R. Weldon, T.J. Westwick, R.F. Williams, G.R. Willie, L. Wong;

**Clinical Associate Professor:** T.M. Jones;

**Clinical Assistant Professors:** P.R. Alexander, D.E. Brannon, N.M. Dave, P.S. Davis, R. Light, K.S. Tripathy, S.S. Tseng.

The basic mission of the Department of Internal Medicine is to produce broad-based, well-prepared, undifferentiated physicians. The program of instruction is designed to develop clinical skills and problem solving abilities. A holistic approach to the patient is emphasized. The need for perpetual scholarship on the part of the physician is stressed and appropriate attention is given clinical investigation in medical progress.

Components of the department's program include instruction in physical diagnosis (first year), the pathophysiology of disease (second year), and therapeutics of medicine (third year). Recommended fourth-year clerkships in general medicine and physical medicine and rehabilitation along with a required clerkship in neurology are supervised by the department. Active patient care on several general medical wards is an integral part of the medical program. Cardiology, pulmonary medicine, gastroenterology, hematology/oncology, endocrinology, and others are offered by the department.

Current research endeavors in the department include: functional heterogeneity of intrahepatic biliary epithelial cells; effects of gamma interferon in murine hepatic cirrhosis; caloric requirements of patients with acute pancreatitis as measured by indirect calorimetry; Scott & White colorectal screening program; CT-guided fine needle aspiration cytology and automated pancreatic biopsy; A prospective analysis, D-xylose absorption in patients with diabetes mellitus; bile acid regulation of intrahepatic biliary epithelial cell proliferation; the use of ultra fast computed tomography for the diagnosis of deep venous thrombosis; a multicenter, randomized, partially-blind, parallel group, clinical trial to compare the efficacy and safety of twice and once daily subcutaneously administered enoxaparin and continuous infusion heparin in the treatment of patients with deep vein thrombosis with or without pulmonary embolism; randomized study of long term warfarin or placebo following three months of anticoagulation for a first episode of idiopathic venous thromboembolism; a double-blind comparison of the efficacy and safety of extended outpatient treatment with subcutaneous Normiflo® versus placebo for the prevention of venous thromboembolism in patients after hip or knee replacement surgery; an open-label study of Novastan® (brand of argatroban) in patients with heparin-induced thrombocytopenia (HIT) or heparin-induced thrombocytopenia and thrombosis syndrome (HITTS).

**923. Introduction to Physical Diagnosis. (2-2). Credit 3.** Physical assessment and medical history taking using bedside examination of normal volunteers. Prerequisite: MFCM 912.

**933. Introduction to Clinical Medicine I. (3-0). Credit 3.** Multidisciplinary survey of clinical medicine presented on a human development continuum. Prerequisite: Satisfactory completion of year one of the medical curriculum.

**934. Introduction to Clinical Medicine II. (7-0). Credit 7.** Continuation of IMED 933; gerontology, clinical specialties and management of death and dying. Prerequisite: IMED 933.

**951. Basic Electrocardiography and M-mode Echocardiography. Credit 1.** Theory of electrocardiography and echocardiography; interpretation of common EKG and echocardiographic abnormalities encountered in clinical medicine. Prerequisite: Completion of years one and two of the medical curriculum.

**982. Core Clerkship in Internal Medicine.** General internal medicine, with patient workup and management under supervision of the clinical faculty. Participation in clinical rounds, conferences, seminars, and laboratory workups. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**983. & 984. Elective Clerkship in . . . 2 or 4 weeks.** Elective clerkship in a specific area of surgery. Prerequisite: Satisfactory completion of year three of the medical curriculum.

**985. Problems.** Directed study of selected problems in internal medicine. Prerequisite: Approval of department head.

**991. Research.** Original clinical and/or laboratory investigation in a specific area of internal medicine. Prerequisite: Approval of department head.

## **Department of Medical Biochemistry and Medical Genetics (MBCH)**

**Professors:** G.M. Ihler, A.C.R. Ficht, A.E. Johnson, C.N. Pace (Interim Head),  
D.K. Struck, J.E. Womack;

**Professor Emeritus:** J.M. Prescott;

**Clinical Professor:** M.K. Kukulich;

**Associate Professors:** T.J. Kuehl, G.D. LeSage, L.C. Skow;

**Assistant Professors:** S.M. Dobin, G.M. Kapler, J.M. Scholtz;

**Clinical Assistant Professors:** V. R. Macias;

The Department of Medical Biochemistry and Medical Genetics offers innovative courses in medical biochemistry and in medical genetics, conducts a vigorous and productive research program, and contributes to undergraduate, graduate, and postdoctoral education. The department offers basic instruction in the sciences of biochemistry, nutrition and molecular biology and provides insight into disease and disease processes as seen by the medical biochemist. Since any disease has associated with it major biochemical changes, the ultimate understanding of disease will be at the molecular and biochemical levels. Medical biochemistry is concerned primarily with the study of macromolecules and intermediary metabolism. Special emphasis is given to recent findings from molecular biology and human genetics. In medical genetics, which is closely integrated with medical biochemistry, students are presented with the fundamentals of human genetics as well as applications of recombinant DNA technology to problems in medical genetics. Lectures, audiovisual material, and self-instructional programs are used to provide integrated instruction in medical biochemistry and genetics. Small group tutorials and individual instruction are provided to students in academic difficulty. First year medical students take medical biochemistry and medical genet-

ics concurrently and receive a single grade for the two courses. Medical students are required to sit for the National Board Special Administration Examination as the final examination for both courses. Graduate students have the option to take medical biochemistry and medical genetics as separate courses.

Each faculty member in the department maintains an active research program. Current departmental research interests include membrane molecular biology, regulation of gene expression, molecular parasitology, drug carrier systems, protein folding, protein stability, protein secretion, blood clotting, DNA replication, gene amplification and bacterial exotoxins. Funding for these programs is derived from external grants awarded to individual faculty members. Graduate students perform their thesis research under the direction of Department of Medical Biochemistry faculty members through graduate programs in the medical sciences, genetics, biochemistry and biophysics, chemistry and veterinary medicine.

**911. Medical Biochemistry and Nutrition: Macromolecules, Molecular Biology and Molecular Genetics. (5-0). Credit 5.** Properties and metabolism of proteins, DNA, and RNA. Recombinant DNA technology and applications to human medicine. The metabolic basis of disease. Metabolism of lipids, carbohydrates, amino acids, purines and pyrimidines. Prerequisite: Admission to the medical curriculum or approval of department head.

**913. Medical Genetics. (3-0). Credit 5.** Fundamentals of medical genetics, including diseases resulting from inborn errors of metabolism, chromosomal abnormalities, human gene mapping, and applications of recombinant DNA technology to problems of human genetics. Prerequisite: MBCH 911 or approval of the department head.

**981. Seminar. (1-0). Credit 1.** Presentation by advanced students, faculty, and visiting scientists of reports on current research in biochemistry. Prerequisite: Approval of department head. 985. Problems. Credit 1 or more. Directed individual study of advanced topics in medical biochemistry. Prerequisite: Approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Selected topics in an advanced area of medical biochemistry. Prerequisite: Approval of department head.

**991. Research. Credit 1 or more.** Original laboratory investigation in specific areas of medical biochemistry. Prerequisite: Approval of department head.

## **Department of Medical Microbiology and Immunology (MMIM)**

**Professors:** S . H . Black, R. E. McCallum (Head), D. N . McMurray, J .W. Measel, J.M. Quarles, L.H. Russell, Jr.;

**Associate Professors:** A.I.B. Hillis, T.W. Huber, W.B. McCombs III, V.G. Wilson;

**Assistant Professors:** A.J. Bäumlner, B.R. Paull, J. Samuel, J.T. Skare, V.L. Tesh.

The Department of Medical Microbiology and Immunology provides instruction and training in basic and applied aspects of modern microbiology and immunology, for both medical students and graduate students. Students of medicine take a required sequence covering the diagnosis, management and prevention of infectious diseases during their second year of medical school.

The courses are complementary in content and are accompanied by appropriate laboratory experiments and demonstrations. For graduate students, a program leading to the Ph.D. in medical sciences with emphasis in microbiology or immunology is available. The program prepares students for careers in the diverse areas of microbiology and molecular biology, including research, diagnostic fields, teaching, or industry. This is a new program with an evolving curriculum. For a current list of courses offered, please contact the department.

The training and research interests of faculty members in the department reflect the major subdisciplines encompassed in the courses offered. These interests focus on host-parasite interactions and include such specific areas as 1) the modulation and regulation of the host's immune response to intracellular pathogens, including *Mycobacterium tuberculosis*; 2) the basic biology of specific agents such as *Escherichia coli* and influenza virus. 3) basic and clinical studies on the pathogenesis of respiratory viruses and vaccine and chemotherapeutic intervention in human disease; 4) the molecular regulation of papovavirus gene expression; 5) regulation of cytokine gene expression during sepsis in the aged; 6) pathogenic mechanisms of secreted toxins produced by *E. coli* and *Shigella* spp.; 7) surface components contributing to rickettsial disease; 8) regulation of virulence in *Salmonella*; and 9) pathogenesis of *Borrelia* in Lyme disease. Medical students may elect to work with faculty members in the department on these or related interests as part of the fourth year elective program.

**602. Immunoregulation. (3-0). Credit 3.** In-depth exploration of the genetic, cellular and molecular mechanisms by which humoral and cellular immune responses are regulated. Regulatory T cell circuits, molecules (interleukins, lymphokines), isotypic and idiotypic regulation, hormonal effects, immunoregulatory defects, experimental manipulation of immunoregulatory networks. Prerequisites: VTMI 649 or BIOL 610 and permission of instructor.

**607. Applied Epidemiology. (3-3). Credit 4.** Application of epidemiologic concepts to the study of disease occurrence. Descriptive epidemiologic methods in the study of diseases. Prerequisites: Graduate Classification. To be cross-listed with VTPH 607.

**923. Medical Microbiology I. (4-2). Credit 4.** General concepts of immunological and microbiological principles and phenomena in relation to clinical manifestations of infectious disease in the human host, and mechanisms of the immune response. Prerequisite: Admission to medical curriculum or approval of department head.

**924. Medical Microbiology II. (4-2). Credit 4.** Continuation of 923. Prerequisite: MMIM 923.

**981. Seminar. (1-0). Credit 1.** Presentation by advanced students, faculty, and visiting scientists of reports on current research in microbiology and immunology. Prerequisite: Approval of department head.

**985. Problems. Credit 1 or more.** Directed individual study of advanced topics in microbiology and immunology. Prerequisites: MMIM 923, 924 and approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Selected topics in an advanced area of medical microbiology or immunology. Prerequisites: MMIM 923, 924 and approval of department head.

**991. Research. Credit 1 or more.** Original laboratory investigation in specific areas of medical microbiology or immunology. Prerequisites: MMIM 923, 924 and approval of department head.

## **Department of Medical Pharmacology and Toxicology (MPHM)**

**Professors:** G.C.Y. Chiou (Head), G.D. Frye, W.H. Griffith III, R.K. Hester, J.L. Way;

**Associate Professors:** J.P. Trzeciakowski;

**Assistant Professors:** P.B. Hicks, Z.H. Song, D.C. Thompson.

The Department of Medical Pharmacology and Toxicology prepares students for the clinical study of therapeutics by providing them with a basic knowledge of drugs and the manner in which drugs modify functions in the human body. The clinically important drugs are grouped into five major categories according to their therapeutic effects. These include autonomic agents, renal and cardiovascular drugs, central nervous systems agents, endocrine preparations, and chemotherapeutic drugs. The mechanism of drug actions and the therapeutic usefulness of the drug in the treatment of diseases are stressed. Students are made aware that side effects of drugs involve organ systems at sites of action other than the primary one. This information is imparted through lectures, laboratory experiments, demonstrations, discussions, and term paper presentations.

The pharmacology course is taught in the second year of study simultaneously with microbiology, pathology, and family and community medicine. Students are taught basic mechanisms of drug actions as well as the clinical correlations of these drugs through periodic clinical conferences.

Electives in pharmacology include: chemical pharmacology, physiological pharmacology, neuropsychopharmacology, medical toxicology, problems, special topics, and research in specialized areas closely related to the research interests of faculty members. The department also offers a seminar course that covers selected topics of current interest.

Faculty members in the department are engaged in research in the areas of toxicology, cardiovascular, ocular and neuropsychopharmacology. More specifically, antiglaucoma drugs, nonsteroidal anti-inflammatory agents, antiarrhythmics, antineuroblastoma agents, central control of peripheral blood pressure, microcirculation, alcoholism, antiepileptics, antiagings, and the drug reactivities of various vasculatures are being studied. Students' participation in research is encouraged, particularly during the summer months after the first year of study.

**923. Medical Pharmacology I. (3-0) Credit 2.** General concepts of pharmacologic agents and substances; pharmacokinetics, pharmacodynamics; autonomic drugs; ocular pharmacology; and cardiovascular pharmacology; Prerequisites: Admission to medical curriculum or MPH 901, 902; MANA 922; MBCH 911, 912 or approval of department head.

**924. Medical Pharmacology II. (3-0) Credit 2.** Continuation of MPH 923; anesthetics; neuropsychopharmacology; analgesics; and chemotherapy. Prerequisites: MPH 923.

**925. Medical Pharmacology III (3-3) Credit 3.** Continuation of MPH 924; endocrine pharmacology; autacoids; drug abuse; and medical toxicology. Prerequisites: MPH 924.

**931. Practical Therapeutics. 96 clock hours.** Interdisciplinary course emphasizing the use of several treatment modalities in the therapy of common clinical conditions. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**981. Seminar. (1-0). Credit 1.** Selected topics of current interest will be presented. Presentation and defenses of a scientific paper. Prerequisite: Approval of department head.

**985. Problems. Credit 1 or more.** Research in specialized areas of pharmacology. Prerequisites: MPH 925 and approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Selected topic in an advanced area of medical pharmacology. Prerequisites: MPH 925 and approval of department head.

**991. Research. Credit 1 or more.** Individual research projects conducted under the direction of a supervising professor. Prerequisite: Approval of department head.

## Department of Medical Physiology (MPHY)

**Professors:** R.B. Armstrong, R.C. Burghardt, D.L. Busbee, M.J. Davis, A.H. Goodman, H.J. Granger (Head), G.A. Laine, D.S. Linthicum, G.A. Meininger, T.V. Peterson, K.S. Ramos, E.E. Smith, W.E. Ward;

**Associate Professors:** J.C. Liao;

**Assistant Professors:** M.D. Delp, D.T. Kochevar, L. Kuo, C.J. Meininger, J.S. Wasser, G. Wu, Y. Yuan, D.C. Zawieja.

Physiology is the branch of science concerned with the physical and chemical bases of life processes. As a fundamental discipline in medicine, physiology emphasizes the integration and coordination of biological activities at the molecular, cellular, organ, system and organism levels. The normal functioning of the human body is dependent on the interplay of elegant control mechanisms operating at all hierarchical levels of organization. In medical practice, the first sign of a disease is usually an abnormal body function. Moreover, amelioration of dysfunction requires detailed knowledge of the physicochemical processes and control mechanisms responsible for the normal and abnormal behavior of organisms.

The basic concepts of medical physiology are presented during the first academic year. The first segment of the course emphasizes the principles of molecular and cell physiology; this is followed by a detailed exposition of the functions and interactions of the nervous, cardiovascular, renal, respiratory, digestive, endocrine and reproductive systems. Lectures, conferences, computer simulations, demonstrations, field trips and clinical correlations are utilized to develop a complete picture of basic physiology and pathophysiology. Although the student is expected to develop a critical fund of physiologic facts, the course is designed to explore in depth the logic of the human body and its subsystems. The major focus of the course in medical physiology is on elucidating the behavior of the normal organism; however, selective examples of pathophysiology highlight each section of the course, thereby providing insight into the strong physiologic framework of modern medicine.

The research program of the department focuses on the cardiovascular system. Specific areas of research interest include: molecular and cell biology of vascular smooth muscle and endothelium, microcirculation, overall regulation of blood volume and arterial pressure, hypertension, inflammation, and the development of computer and engineering technology for

cardiovascular research. The investigations of faculty members are supported by grants and awards from the National Institutes of Health and the American Heart Association.

Opportunities for participation in the departmental research programs are available for students in high school, college, and medical school. In addition, the department is actively involved in graduate and postdoctoral training.

**901. Medical Physiology. (10-0). Credit 9.** Function and regulation of the systems of the human body with special emphasis on their relationships and feedback control mechanisms. Clinical correlation lectures in pathophysiology. Prerequisite: Admission to medical curriculum or approval of department head.

**981. Seminar. (1-0). Credit 1.** Presentation by advanced students, faculty and visiting lecturers of reports on contemporary research in physiology. Prerequisite: Approval of department head.

**985. Problems. Credit 1 or more.** Directed individual study of advanced topics in specialized areas of physiology. Prerequisites: MPHY 901 and approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Selected topics in an advanced area of medical physiology. Prerequisites: MPHY 901 and approval of department head.

**991. Research. Credit 1 or more.** Original investigation in specific areas of physiology. Prerequisites: MPHY 901 and approval of department head.

## **Department of Medicine-Interdisciplinary (MEID)**

**981. Seminar. (1-0). Credit 1.** Discussion of current developments and selected topics.

**989. Special Topics in . . . Credit 1 to 4.** Special topics in an identified area of interdisciplinary medicine.

**901-301. Introduction to Leadership in Medicine, Part I. Credit 1.** In small group format, first year medical students study the relationships between leadership, medicine, and community.

**901-302. Introduction to Leadership in Medicine, Part II. Credit 1.** Students choose one of several tracks offering a practical look at subjects which will enhance their practice of medicine, i.e. nutrition, epidemiology, preventive medicine, domestic violence, computers in medicine, religion and medicine.

**921-301. Mentors in Leadership, Part I. Credit 1.** Elective study of leadership with an approved mentor from another college in the university. Students may take this course first, second, or both semesters.

**921-302. Mentors in Leadership, Part II. Credit 1.** Elective study of leadership with an approved mentor from another college in the university. Students may take this course first, second, or both semesters.

**989-301. Preceptors in Leadership. Credit 1.** One month elective study of leadership with an approved preceptor. Prerequisite: Approval of Director of Leadership in Medicine program.



## Department of Obstetrics and Gynecology (OBGY)

**Professors:** D.P. Baker, A.B. Knight (Head), T.J. Kuehl, B.L. Shull;

**Professor Emeritus:** W.F. Baden;

**Associate Professors:** R.H. Brakemeier, C.V. Capen, F.L. Leavelle, J.F. Pliego, W.L. Rayburn, C.W. Sanders, P.J. Sulak, T.J. Wincek;

**Assistant Professors:** S.R. Allen, M.P. Appleton, S.G. Bonds, G.E. Chow, C.A. Dunn, P.S. Greene, K.P. Huddleston, W.F. Hughes, K.M. Patterson, M.B. Reedy, M.S. Rowe, J.J. Schrier, P.M. Yandell;

**Clinical Assistant Professors:** C.R. Anderson, D.R. Doss, N.Z. Johnson, G.M. Montgomery, R.W. Smith;

**Instructor:** T.W. Davis.

The goal of the Department of Obstetrics and Gynecology is to expand students' basic science knowledge of reproductive medicine to provide an introduction to those aspects of obstetrics and gynecology that are pertinent to all physicians and which will enable them to provide primary healthcare to all female patients.

The Department of Obstetrics and Gynecology adheres to the educational objectives put forth by the APGO (Association of Professors of Gynecology and Obstetrics) Medical Student Educational Objectives, which represent a careful evaluation of the knowledge, skills, and attitudes that ideally would be acquired during an obstetrics and gynecology clerkship by all students, regardless of their choice of medical specialties. Curriculum objectives include: 1) to develop an awareness and basic understanding of reproductive medicine including gynecologic disease and obstetrics; 2) to develop the skills of obtaining an obstetric-gynecologic history and of performing a physical examination with a proficient pelvic examination and Pap smear; 3) to develop the appropriate attitude and behavior to provide physical, emotional, and psychosexual care for women; 4) to develop the ability to recognize patients requiring specialized obstetric and gynecologic care; 5) to develop an awareness and inquisitiveness concerning obstetrics and gynecology upon which future knowledge can be added; and 6) to develop problem solving/patient management skills and self-learning concepts and skills as a component of career-long learning.

In the first year, the fundamentals of the obstetric-gynecologic history and examination are taught as a portion of the physical diagnosis course conducted by the Department of Internal Medicine. The presentation utilizes lectures, audiovisual instruction, model patient examinations, and outpatient observation and examination.

During the second year, faculty members teach Introduction to Obstetrics and Gynecology. This course is designed to provide background material in normal obstetrics and gynecology, to relate clinical material to other courses offered in the first and second years, and to serve as a foundation for the obstetrics and gynecology clerkship and electives in the third and fourth years.

A six week clerkship in obstetrics and gynecology is presented during the third year. This clerkship introduces students to specific areas and disease processes of obstetrics and gynecology that are pertinent to all physicians. During the six week clerkship, students rotate for three weeks on the obstetrics service and three weeks on the gynecologic service. These

rotations provide exposure to patients in the outpatient setting as well as in the hospital setting and include activities in labor and delivery and the operating room.

Several fourth year electives in obstetrics and gynecology are offered. These electives are designed to improve the clinical acumen Of students in recognizing the problems of obstetric-gynecologic patients as individuals, to further students' educational experiences in the clinical care of patients with subspecialty obstetric and gynecologic disorders, and to provide students with experiences that will enable those who are considering obstetrics and gynecology as a career to evaluate this decision as to its appropriateness. Fourth year elective externships are individually designed to meet the needs of each student.

The Department of Obstetrics and Gynecology is actively involved in both basic science and clinical research, and many opportunities exist for student participation in research in any area of reproduction medicine including gynecologic oncology, reproductive endocrinology including gamete and embryo research, gynecologic-urology, high risk obstetrics, women's health care and preventive medicine, and all areas of general obstetrics and gynecology.

**921. Introduction to Obstetrics and Gynecology. Credit 3.** Principles of normal reproductive medicine; menstrual function, conception, sexual differentiation; fetal and maternal physiology; antepartum patient evaluation; intrapartum and postpartum care. Prerequisite: Satisfactory completion of year one of the medical curriculum.

**982. Core Clerkship in Obstetrics and Gynecology.** Clinical obstetrics and gynecology, emphasizing pathologic conditions, with patient evaluation on the in- and outpatient services under supervision of the clinical faculty. Participation in seminars, conferences and clinical rounds. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**983. Elective Clerkship in . . . 4 weeks.** Elective clerkship in a specific area of obstetrics and gynecology. Prerequisite: Satisfactory completion of year three of the medical curriculum.

**985. Problems.** Directed study of selected problems in obstetrics and gynecology. Prerequisite: Approval of department head.

**991. Research.** Original clinical and/or laboratory investigation in a specific area of obstetrics and gynecology. Prerequisite: Approval of department head.

## **Department of Pathology and Laboratory Medicine (MPAT)**

### **College Station**

**Professors:** J.A. Gordon, J.L. Leibowitz;

**Associate Professor:** G. J. Kochevar;

**Assistant Professors:** G. E. Davis, S.A. Maxwell, L.R. Bernstein;

**Senior Lecturers:** L.E. Lindner, S. Geerling.

### **Scott & White - Temple; VA - Temple; Waco - Temple**

**Professors:** J.A. Diaz, J.F. Greene, Jr., R.F. Peterson, E.S. Rappaport, A.M. Spiekerman;

**Associate Professors:** R.J. Bayardo, R.S. Beissner, J.B. Coulter, III, S.M. Dobin, L.R. Donner, W.S. Koss, D.J. Ladd, W.B. McCombs III, V.O. Speights, Jr.;

**Assistant Professors:** Robert Astarita, J.L. Bryan, D.W. Jay, E.H. Johnson, John W. Measel, E. Rachut, R.A. Trompler.

### **Other Clinical**

E.R. Eckert (Austin), R.S. Zirl (Conroe).

It is the purpose of the Department of Pathology and Laboratory Medicine to: 1) provide appropriate learning opportunities for medical students, graduate students, postgraduate and practicing physicians; 2) pursue a variety of research projects at the basic and applied levels in the fields of human disease, seeking to provide an overview for those projects based on a knowledge of human disease; and, 3) provide appropriate and accurate diagnostic and consultative pathology service for patient care.

The department offers a required program of instruction in general, systemic, and clinical pathology to medical students throughout their second year and a selective two-week rotation in a hospital pathology department in the required ambulatory clerkship in the fourth year.

General pathology (host response to injury and introduction to clinical pathology) and systemic pathology (diseases of the organ systems) are taught in the second year. The pathology courses serve as a bridge between the basic sciences and the clinical disciplines.

Approximately half of instructional time is allotted to laboratory study.

General pathology presents disease processes as manifestations of a common set of mechanisms of injury. Topics included are the normal and adapted cell, inflammation and repair, cell and tissue injury as a result of infectious agents, immunologic events, vascular lesions, genetic abnormalities, lesions caused by physical and chemical substances, and the causes and behavior of neoplasms. Pathologic changes are correlated with the resultant clinical manifestations, and in this framework, a foundation for understanding specific diseases is established.

This foundation facilitates the survey in systemic pathology of the principal disorders of each organ system, instruction in the clinical laboratory procedures necessary to diagnose these conditions, and the intelligent and cost-efficient use of laboratory tests in patient care. Weekly clinicopathological conferences are conducted by students during the winter and spring.

The fourth-year clerkship teaches students how to use the laboratory service and the consultant pathologist in an efficient and cost effective manner. Students participate in the work of anatomic and clinical pathology sections of the hospital laboratory. This clerkship also provides students with in-depth instruction in those disorders seen during their rotation.

Elective clerkships offered in the fourth year include: anatomic pathology, blood bank, clinical chemistry, clinical immunology, clinical microbiology, hematopathology, laboratory testing in endocrinology, academic pathology, and an elective in research.

Research interests of department members include the role of tyrosine kinases on the transformation of chick embryo fibroblasts by Rous sarcoma virus and the influence of vanadate; identification and characterization of an antigen found in cells derived from cancer

of the kidney; the role of integrins in leukocyte diapedesis and tumor cell metastasis; novel staining techniques for the identification of neoplastic cells in cytology; p53 oncogene in lung cancer; angiogenesis; cell cycle; and a variety of clinically oriented studies involving the gastrointestinal tract, bone marrow, prostate and cancer of the lung.

**923. Human Pathology I. Credit 4.** Language of disease, identification of morphological lesions in common diseases and relation of their causes and pathogenesis to resulting clinical manifestations. Basic laboratory skills. Prerequisite: Year 1 of medical curriculum or approval of department head.

**924. Human Pathology II. Credit 4.** Human diseases, their causes, pathogenesis, lesions and resulting manifestations. Prerequisite: MPAT 923 or approval of department head.

**925. Human Pathology III. Credit 4.** Continuation of MPAT 923 and 924. Prerequisite: MPAT 924.

**981. Seminar. (1-0). Credit 1.** Pathology seminar presenting selected areas in depth. Prerequisite: Year 1 of the medical curriculum or approval of department head.

**983. Elective Clerkship in . . .4 weeks.** Elective clerkship in a specific area of pathology. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**984. Selective Clerkship in . . .2 or 4 weeks.** Selective clerkship in a specific area of pathology and laboratory medicine. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**985. Problems in Pathology. Credit 1 or more.** Special problems in pathology. Prerequisite: Year one of the medical curriculum or approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Special topics in advanced pathology. Prerequisite: Year one of the medical curriculum or approval of department head.

**991. Research. Credit 1 or more.** The interest of the student and the supervising faculty member will determine the specific nature of the research. Prerequisites: Completion of years one and two of medical curriculum or approval of department head.

**992. Clerkship. Credit 2 to 8.** Application of knowledge learned in MPAT 923, 924 and 925 in the hospital laboratory setting. Prerequisite: First two years of the medical curriculum.

## Department of Pediatrics (MPED)

**Professors:** G.W. Brasher, L.S. Frankel, B.G. Gold (Head), H.B. Hahn, Jr., D.R. Krauss, N.G. Lawyer, J.L. Montgomery, C.D. Morehead, R.E. Myers, R.F. Peterson, M. Weir;

**Associate Professors:** J.R. Asbury, D.E. Crisp, C.A. Daniel, J.F. Daniel, S.M. Dobin, D.R. Hardy, C.E. Oltorf, S.W. Ponder, D. Self, S.S. Skrovan, J.Q. Thompson, Jr.;

**Assistant Professors:** M. Beeram, M. Bierworth, J.K. Blevins, B.B. Browne, K.C. Burke, R. Calvo, C.A. Cipriani, N. Cohen, K. Colina, M.D. Custer lil, D. Douty, D. Fitzsimon, D. Foster, P. Foulks, C.J. Fournier, P.A. Goen, B. Gracious, B.A.T. Hagen, G. Hobbs, W.D. Holmes, L. Hutchinson, K. Iglesia, L. Kirby-Keyser, A. Lueck, M. Marquardt, A. Meyer, S.P. Nickel, D. Ransom, L. Reed, M. Sicilio, J. Smith, M. Smith, L. Wick, C.D. Williams;

**Clinical Assistant Professors:** C. Neavel, A. Patel, L. Street.

Pediatrics is taught in two required courses - Introduction to Pediatrics in the second year and Clinical Clerkship in the third year. The introductory course consists of topic discussions by the students mediated by practicing pediatricians from Bryan/College Station. Major emphasis is placed on normal growth from birth through adolescence, including physical, mental/emotional, educational/cultural and language development. Preventive medicine and anticipatory guidance are stressed. Selected abnormal conditions are included to illustrate age-related disease and deviations from normal.

The six-week pediatrics clerkship is offered throughout the third year and consists of three weeks in the hospital and three weeks in the outpatient clinic. The clerkship is designed to contrast the problems of children with those of adults, both the approach to the diseases themselves and their impact on the family. Only relatively common diseases are discussed in the 16 hours of topic discussions. In the hospital and outpatient clinic, students are encouraged to evaluate their patients first and compare their findings with those of the staff. Each year, 55,000 outpatient visits and 4,250 inpatient days assure students and the 18 residents sufficient numbers and diversity of patients. Residents and students are supervised by 51 staff pediatricians. More than a third of the pediatricians practice general pediatrics and two-thirds practice a subspecialty.

Further experience in pediatrics is available from fourth year, four-week electives: outpatient, hematology/oncology, inpatient, neonatology, allergy, and pediatric intensive care. A Pediatric Honors Program has been established for fourth year students to foster experience in pediatric research and career planning.

**921. Introduction to Pediatrics. Credit 3.** Principles of pediatrics; normal physiological and psychosocial development of the newborn through adolescence. Prerequisite: Satisfactory completion of year one of the medical curriculum.

**982. Core Clerkship in Pediatrics.** Pediatrics under supervision of the faculty through participation in routine and emergency inpatient (ward and nursery) and outpatient pediatric care. The student will perform histories and physicals, learn problem solving techniques, and participate in conferences, seminars and rounds. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**983. Elective Clerkship in . . . 4 weeks.** Elective clerkship in a specific area of pediatrics. Prerequisite: Satisfactory completion of year three of the medical curriculum.

**991. Research.** Original clinical and/or laboratory investigation in a specific area of pediatrics. Prerequisite: Approval of department head.

## **Department of Psychiatry and Behavioral Science (MPSY)**

**Professors:** J.D. Burke, Jr. (Chairman), R.A. DeVaul, J.A. Knight, K.B. Knudsen, D.H. Rosen, I.S. Russell, R.R. Rynearson, B.T. Woods;

**Adjunct Professors:** W.H. Reid, N. Sartorius;

**Associate Professors:** J.L. Bodden, G.R. Brooks, G.S. Chintapalli, G. R. Elkins, J. M. Farrow, J.H. Fryer, L.A. Gamino, P. B. Hicks, P.S. Hill, R. E. Krych, W.J. Meek, R. B. Nisbet, D.T. Orman, M.D. Rudd;

**Adjunct Associate Professor:** B.J. Sutton

**Assistant Professors:** L.W. Bains, R.A. Brandon, K.C. Burke, T.L. Calvert, A.J. Castiglioni, Jr., J.A. Cooney, N.R. Denny, L.W. Easterling, N.R. Fluet, C.J. Fournier, B.L. Gracious, W.A. Gregory, T.G. Hardaway, W.D. Holmes, D.L. Jermain, B. Lawn, A.T. Mathew, C.L. Parker, J.T. Parks, M.H. Rajab, K.D. Reddy, K. B. Robbins, L. D. Rosenstein, P. D. Rye, P. N . Sanchez, G . D. Smith , D.V. Spencer, C J . Svoboda, R. R. Tamimi, P. E. Tolciu, C. L. Tsai , F.W. Willoughby, J . Worchel , K.A. Young, H.A. Zaphiris;

**Clinical Assistant Professors:** S.D. Crane, G . L. Eisenhauer, P. M . Naik;

**Instructors:** L.Y. Brook, J .L. Goza, A. B. Hill , S.S. Huber, D. H . Murdock, T.E. Parr;

**Clinical Instructor:** M.E. McFarlane;

**Clinical Associate:** F.E. Gist.

The Department of Psychiatry and Behavioral Science has as its educational objectives teaching the psychological dimensions of the human life cycle, the psychological determinants of the doctor-patient relationship, and basic aspects of the diagnosis and treatment of mental disorders.

The first year is devoted to an introduction to behavioral sciences, including factors that influence human development, the doctor/patient relationship, and maintenance of health. An emphasis will be placed on independent reading and developing the students skills and problem solving, especially related to problems that arise during the course of treating patients.

The second year course will provide an introduction to basic knowledge about psychiatric disorders and their effect on an individual patient's life. Emphasis will be placed on clinical reasoning and problems related to assessment and diagnosis, differential diagnosis, treatment planning, and clinical management.

The third year clinical clerkship in Psychiatry provides students with closely supervised experience with patients who have psychiatric disorders. The clerkship lasts six weeks, and clinical facilities with a broad variety of patients are used throughout Central Texas. Students will develop their knowledge base of mental disorders and will develop clinical skills in relating to patients, interviewing them, assessing clinical and other characteristics, formulating a diagnosis, and implementing a treatment plan. Emphasis will also be placed on developing professional attributes to enable the student to become a capable, conscientious, and ethical practitioner.

The fourth year offers a two-week clerkship on drug and alcohol disorders, which is required for all students. The student will develop a general fund of information about disorders of alcohol and other psychoactive substances. Students will develop skills in assessing, diagnosing and treating acute phases of illness, such as managing withdrawal by detoxification protocols, as well as participating in rehabilitation programs that promote abstinence and restoration of functioning.

Elective courses cover a wide range of options in the fourth year. Established electives in child and adolescent psychiatry, consultation psychiatry, and advanced clinical experience in inpatient psychiatry, geriatric psychiatry, general outpatient psychiatry and psychotherapy, and partial hospitalization programs including an intensive group therapy based program, are all available. Electives for clinical research and other scholarly activities can be arranged with individual faculty members. In addition, special electives can be created with concurrence of a supervising faculty member to provide clinical and research opportunities in the student's area of interest within psychiatry.

Research projects underway within the department include an international study on somatoform disorders sponsored by the World Health Organization; studies on clinical management of depression in primary care settings; development of advanced assessment instruments in such areas as bipolar disorder in prepubertal children, and development of "an emotional status examination"; basic laboratory research on neurotransmitter systems and their interaction; clinical trials of medications and other somatic treatments; studies of psychophysiologic parameters such as the startle response and eye tracking in patients with different psychiatric disorders.

### **Third-year Clerkship in Psychiatry**

At present the basic rotation involves a core clinical component, with additional specialized experience.

**1. Core clinical experience** - The student will rotate through four different clinical services in the Health Science Center; these facilities are Scott and White Hospital, Olin E. Teague Veteran's Medical Center, Darnall Army Community Hospital and the Waco Veteran's Medical Center. Basic experience in both inpatient and outpatient psychiatric services will be provided through close day-to-day supervision by senior faculty members. Special seminars and lectures will also be provided. Students will be expected to prepare case write-ups on patients they have followed.

**2. Patients with severe psychiatric disorders** - All students will spend one week during the clerkship at the Waco Veteran's Medical Center, a referral hospital for psychiatric and extended care patients in the Veteran's Administration Medical Care system. Students will have responsibility for assessing and following patients with the most severe, disabling illnesses, and will also have an opportunity to experience group psychotherapy with patients suffering from post-traumatic stress disorder.

Evaluation of the clinical experiences will be made by faculty who have supervised the student during the clerkship. Emphasis in grading will be placed on professional attributes, clinical knowledge and skills, and related factors such as ability to function as a member of a clinical team. Additional evaluation will be by oral and written examination, and by the specialty subject examination prepared by the National Board of Medical Examiners. Unprofessional conduct will result in failure of the clerkship even with satisfactory completion of the cognitive aspects of the course.

**911. Working with Patients. Credit 2.** Physical, psychological and sexual aspects of human development. Illustrative cases presented by practicing physicians. Prerequisite: Admission to medical curriculum.

**941. Introduction to Clinical Psychiatry. Credit 3.** Overview of psychiatric diagnosis in accordance with the Diagnostic and Statistical Manual of Mental Disorders; management and treatment of psychiatric disorders. Prerequisite: Completion of year one of the medical curriculum.

**982. Core Clerkship in Psychiatry.** Clinical psychiatry, with patient evaluation on the in- and outpatient services under supervision of the clinical faculty, participation in seminars,

conferences, hospital and emergency room consultations, and in psychologic and psychometric evaluations. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**983. Elective Clerkship in . . . 4 weeks.** Elective clerkship in a special area of psychiatry. Prerequisite: Satisfactory completion of year three of the medical curriculum.

**985. Problems. Credit 1 or more.** Special problems in psychiatry. Prerequisite: Approval of department head.

**989. Special Topics in . . . Credit 1 to 4.** Special topics in an identified area of psychiatry. Prerequisite: Approval of department head.

**991. Research. Credit 1 or more.** Research projects in the field of psychiatry. Prerequisite: Approval of department head.

## Department of Radiology (MRAD)

**Professor:** J.L. Montgomery, J.M. Stoebner;

**Associate Professors:** P.D. Bourland, L. Canales, W.R. Carpentier, A.Y.C. Cheung, L.H. Deiterman, Jr., J.P. Eberts, T. Hopens, R.F. Kuhnhein, L.G. Naul (Head), E.J. Schoolar, Jr., A.K. Teaford, S.M. Wright;

**Assistant Professors:** K.T. Bose, N.R. Braeuer, J.C. Hutka, K.A. Iglesia, H.H. Ko, W.B. Maupin, M.L. Middleton, P.A. Neese, M.L. Nipper, R.J. Pischinger, F.G. Pratt, G.R. Schally, J.B. Schnitker, R.S. Shah, D.L. Simmons, G.P. Swanson, T.D. Truitt, J.W. Ufema, J.C. Wu;

**Clinical Assistant Professor:** G.C. McCord.

The Department of Radiology is responsible for the education of students in all fields of medical imaging including conventional radiography, nuclear radiology, ultrasound, computerized tomography and magnetic resonance. The department also instructs students in therapeutic radiology.

Medical imaging is one of the most important diagnostic tools available to the clinician. The field of medical imaging is rapidly expanding; the development of ultrasound and computerized tomography has revolutionized medical diagnosis. Advances in technology are rapidly changing the field of radiology with the development of new techniques such as digital radiology and sophisticated invasive procedures such as transluminal angioplasty. The field of nuclear medicine also continues to expand rapidly, particularly in the area of cardiac scanning and physiological studies. Radiation therapy plays a very important role in the treatment of cancer.

The educational mission of the department is to provide students strong backgrounds in the understanding of the imaging modalities available to the clinician, the indications for the various procedures, and the fundamentals of image interpretation. A lecture course in medical imaging is required for students in the third year. The course stresses the fundamentals of roentgen interpretation and indications for the various imaging procedures.

Several electives are offered to fourth year students including diagnostic radiology, nuclear medicine, and therapeutic radiology. The four week elective in diagnostic radiology emphasizes image interpretation. Students work directly with radiologists and also make extensive use of the comprehensive teaching film file available in the department.



**931. Principles of Radiology. 18 clock hours.** Methods of medical imaging; conventional radiology, ultrasound, computerized tomography and nuclear radiology, and application of these methods to specific clinical problems. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**983. Elective Clerkship in . . . 2 weeks or 4 weeks.** Elective clerkship in a specific area of radiology. Prerequisite: Satisfactory completion of year three of the medical curriculum.

**985. Problems.** Directed study of selected problems in radiology. Prerequisite: Approval of department head.

## Department of Surgery (SURG)

**Professors:** S.C. Bauserman, G.O. Brindley, C.A. Buerk, K.S. Coffield, R.D. Cunningham, J.P. Dieckert, G.T. Keegan, R.C. Klugo, A. Lenis, W.E. Lowry, Jr., D.J. Lynch (Head), G.E. Miller, A.E. Nickel, D.E. Pizar, J.W. Roberts, T. Ruff, S.K. Snyder, E.W. Stark, E.E. Terry, C.N. Verheyden, R.E. Walsh, R.R. White IV;

**Professor Emeritus:** G.V. Brindley, Jr.;

**Clinical Professors:** F.G. Anderson, Jr., G.C.Y. Chiou, H.A. Hansen II, R.H. Harrison III;

**Associate Professors:** L.W. Adams, R. Ashcraft, C.E. Baisden, E.E. Bellens, G.W. Brindley, H.H. Brindley, Jr., C.J. Buckley, M.D. Custer, J.D. Fisher, J.C. Ford, R.C. Frazee, W.P. Goforth, P.C. Grothaus, J.C. Hendricks, M.R. Hermans, C.F. Johnson III, C.F. Kallina III, W.L. Knight, K.R. Lecocq, L.G. Manning, D.L. Myers, T.P. Reilly, R.W. Smith, R.E. Symmonds, Jr., C.B. Tate, Jr., M.R. Warner;

**Clinical Associate Professors:** F.G. Anderson, L.W. Coleman, Jr., W.C. Lloyd III;

**Assistant Professors:** C.W. Akins, W.F. Andrew, G.R. Badger, R. Benavides, H. Birkholz, W.B. Black, D.L. Boysen, B.R. Buechler, B.M. Camazine, C.A. Cipriani, J.B. Coulter, M.D. Custer III, R.D. Davis, S.J. Dittmar, R.J. Dunlop, D.L. Ellis, R.C. Frazee, S.F.A. Fulcher, F.J. Gillette, Jr., G.R. Griffiths, W.P. Hamilton, D.R. Hardy, F.S. Harris, J.B. Harrison, J.T. Havalda, K.D. Hitt, J.K. House, L.R. Hutchinson, L. Hutkoff, A. Jew, B.M. Knieriem, G.K. Koehler, D.K. Lichota, A.G. Lueck, D.M. Lynch, J. Martin, V.A. Mehta, S.A. Meuse, M.J. Miller, M.J. Moul, J.A. Neufeld, I.M. El Nihum, S.A. Norris, T.P. O'Shea, P.P. Pandya, D.D. Peterson, D.W. Peterson, W.G. Peterson, D.R. Pinkston, L.D. Price, R.A. Probe, R.E. Reeve, C.G. Reiter, R.L. Riess, T.R. Rogers, K.H. Smith, R.D. Tuggle, C.A. Venus, M.R. Warner, J.A. Waxman, R.A. Weber, P.A. Wright, J.C. Wurster, P.W. Wuthrich, Y. Yuan;

**Clinical Assistant Professors:** R.D. Alford, J.L. Cochran, D.E. Beesinger, H.E. Bohne, J.P. Bramhall, A.L. Brenner-Wild, M.R. Coffman, S.R. Cox, J.W. Ditzler, Jr., J.J. Fedorchik, Jr., M.S. Foster, J.B. Giles, J.B. Glenn, Jr., T.B. Gordon, K.I. HaJi, J.M. Kirby, M.B. Lindsay, W.H. Marr, M.F. McMahon, S.C. Opersteny, M.B. Riley, N.D. Shipman, M.H. Wilkerson;

**Instructors:** V.H. Hamilton, T.H. McCollum, F.N. Warden.

The required third-year clerkship taught by the Department of Surgery is designed to expose students to the basic principles of surgery, not to surgical techniques. Students are instructed in some techniques used in minor surgery. Major emphasis is given to the principles of wound healing, fluid and electrolyte balance, the introduction to specific surgical diseases, organ trauma, inflammatory responses and malignancy. Ward rounds and assignment of patients to students offers an opportunity for preoperative evaluation and the acquisition of sound surgical judgment. Daily surgical lectures, semiweekly subspecialty seminars, and surgical grand rounds provide students the opportunity to enhance their abilities. Participation in the operating room, postoperative management and case presentations help to complete the

total surgical experience and provide continuity of care.

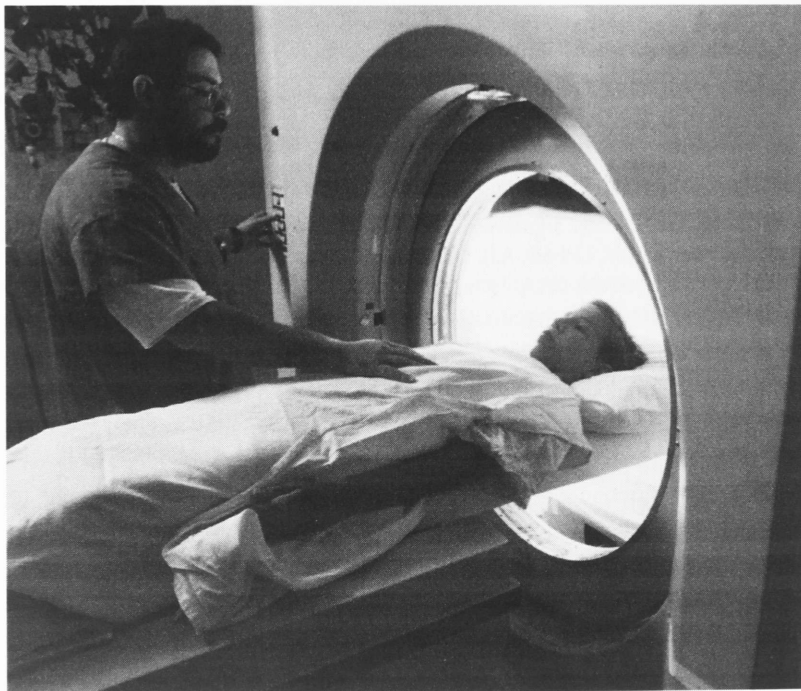
In addition to the experience in general surgery, the fourth year elective program allows further exposure to anesthesiology, audiology, cardiothoracic surgery, neurosurgery, ophthalmology, oral/maxillofacial surgery, orthopedic surgery, otolaryngology, pediatric surgery, plastic surgery, podiatry, speech pathology, urology, and vascular surgery. Students may also participate in patient management in the Pain Clinic.

Student participation in any ongoing research program is welcome.

**982. Core Clerkship in Surgery.** Clinical surgery, with workup of patients and participation with the clinical faculty in preoperative evaluation, operative procedure and postoperative care. Participation in clinical rounds, conferences, emergency room and formal classroom activity. Prerequisite: Satisfactory completion of year two of the medical curriculum.

**983. & 984. Elective Clerkship in . . . 2 or 4 weeks.** Elective clerkship in a specific area of surgery. Prerequisite: Satisfactory completion of year three of the medical curriculum.

**991. Research.** Original clinical and/or laboratory investigation in a specific area of surgery. Prerequisite: Approval of department head.



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# Research Institutes

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## Microcirculation Research Institute

**Director: H.J. Granger**

The mission of the Microcirculation Research Institute is to foster investigations of microscopic blood vessels, the extracellular matrix and lymphatics. Scientists from the Colleges of Medicine, Engineering, Science, and Veterinary Medicine have contributed to the research and training programs of the institute. Regular communication among investigators is facilitated by the biweekly *Microcirculation Research Forum*.

The research interests of institute scientists range from molecular and cell biology to systems physiology and engineering sciences. A major thrust is elucidating the cellular basis of function and dysfunction of vascular smooth muscle and endothelium, the basic building blocks of microscopic blood vessels. At the single microvessel and microvascular network levels of organization, the processes involved in control of blood flow and exchange of material between blood and tissues are under investigation. A variety of technologies is utilized to probe the normal and abnormal behavior of the microcirculation including electron microscopy, tissue culture, immunochemistry, cytochemistry, histochemistry, quantitative intravital microscopy, computer simulation, and digital analysis of video images. These techniques are being applied to studies of normal microcirculatory dynamics in tissues such as heart, brain, intestine, liver, skin, muscle and retina. Applied research focuses on the involvement of the microvasculature in myocardial infarction, stroke, hypertension and inflammation. In addition, a research and development program in bioinstrumentation and computer science has evolved to facilitate quantification of a variety of microcirculatory variables and processes.

The research programs of the institute are supported by grants and awards from the National Institutes of Health and the American Heart Association. Graduate assistantships and postdoctoral fellowships are available to support individuals committed to microcirculatory science as a career. In addition, the institute sponsors the participation in its research programs of students in high school, college, and medical school.

## Institute of Ocular Pharmacology

**Director: G.C.Y. Chiou**

A great many diseases and disorders of the eye are associated with aging. More than half of all visual impairment occurs in people age 65 or older. People today are living longer, but many are kept from enjoying certain benefits of this longevity by visual problems. Improved prevention, diagnosis and treatment of eye diseases and disorders in the elderly are therefore of great importance. The research for maintaining healthy eyes has been much too little for far too long.

Research in the Institute of Ocular Pharmacology has resulted in development and patenting of three effective new pharmaceuticals for the treatment of glaucoma. Glaucoma is the number one cause of blindness in the state of Texas, as well as in the United States. Research

is also under way to find active agents for the treatment of ocular inflammation, retinal degeneration, cataract, and ocular infection. Three agents are also patented for the treatment of uveitis and other eye inflammation diseases.

Recent development of "systemic delivery of peptide drugs through eyes" will result in a painless, simple, and economical administration method which replaces needles and syringes. The Institute of Ocular Pharmacology publishes quarterly the Journal of Ocular Pharmacology and Therapeutics. This international publication disseminates original research findings from both basic and clinical ocular pharmacology. It also makes the Texas A&M University College of Medicine known to the world.

## **Institute of Molecular Pathogenesis and Therapeutics**

**Director: R.E. McCallum**

The goal of the Institute of Molecular Pathogenesis and Therapeutics is to conduct basic research on the origins and causes of disease at the molecular level in order to improve therapeutic measures to prevent, ameliorate, or cure specific illnesses. The Institute is an interdisciplinary organization with members from the College of Medicine and numerous other colleges on the College Station and Temple campuses, as well as the IBT in Houston. The Institute provides a formal mechanism for the interdisciplinary interactions necessary to approach, at the molecular level, contemporary problems such as cancer, infectious diseases, autoimmune disorders, immunodeficiency states, alcoholism, malnutrition, aging, mental illness and inherited genetic disorders. The programs provided by the Institute are comprised of a research seminar series, a variety of weekly journal clubs, a computerized investigator data base, a shared repository for DNA clones and cell and microorganism stock cultures, collaborative workshops and colloquia and the opportunity for combined training of graduate students and postdoctoral fellows. The Institute also sponsors a campus-wide core facility, the Center for Flow Cytometry and Image Analysis.

Research in the Institute receives its primary funding from the National Institutes of Health and the U.S. Department of Agriculture and encompasses a wide variety of areas in molecular medicine.

## **Center for the Study of Cell Surfaces**

**Director: G.M. Ihler**

The Center for the Study of Cell Surfaces was formed in 1985 to coordinate personnel, facilities, and equipment at the College of Medicine for both basic and clinical research on: 1) the structure and properties of the cell surface and its proteins; 2) the isolation of genes concerned with cell surface properties; 3) the sequencing of DNA and nucleic acid analysis; 4) the isolation of immunogenic proteins for which protective antibodies offer the hope of disease prevention in human and veterinary medicine; and 5) the use of erythrocytes and liposomes as drug carriers. The center utilizes a multidisciplinary approach to its research.

## **Center for Health Systems and Design**

**Director: R.S. Stone (College of Medicine)**

**Co-Director: R.S. Ulrich (College of Architecture, Texas A&M University)**

The Center for Health Systems and Design was established in 1983 to coordinate interdisciplinary research and educational programs that transfer technology developed by disciplines outside medicine into health care. Past and present collaborative research and educational programs have involved faculty members from the Colleges of Medicine, Architecture, Engineering, Business, Education, and Liberal Arts.

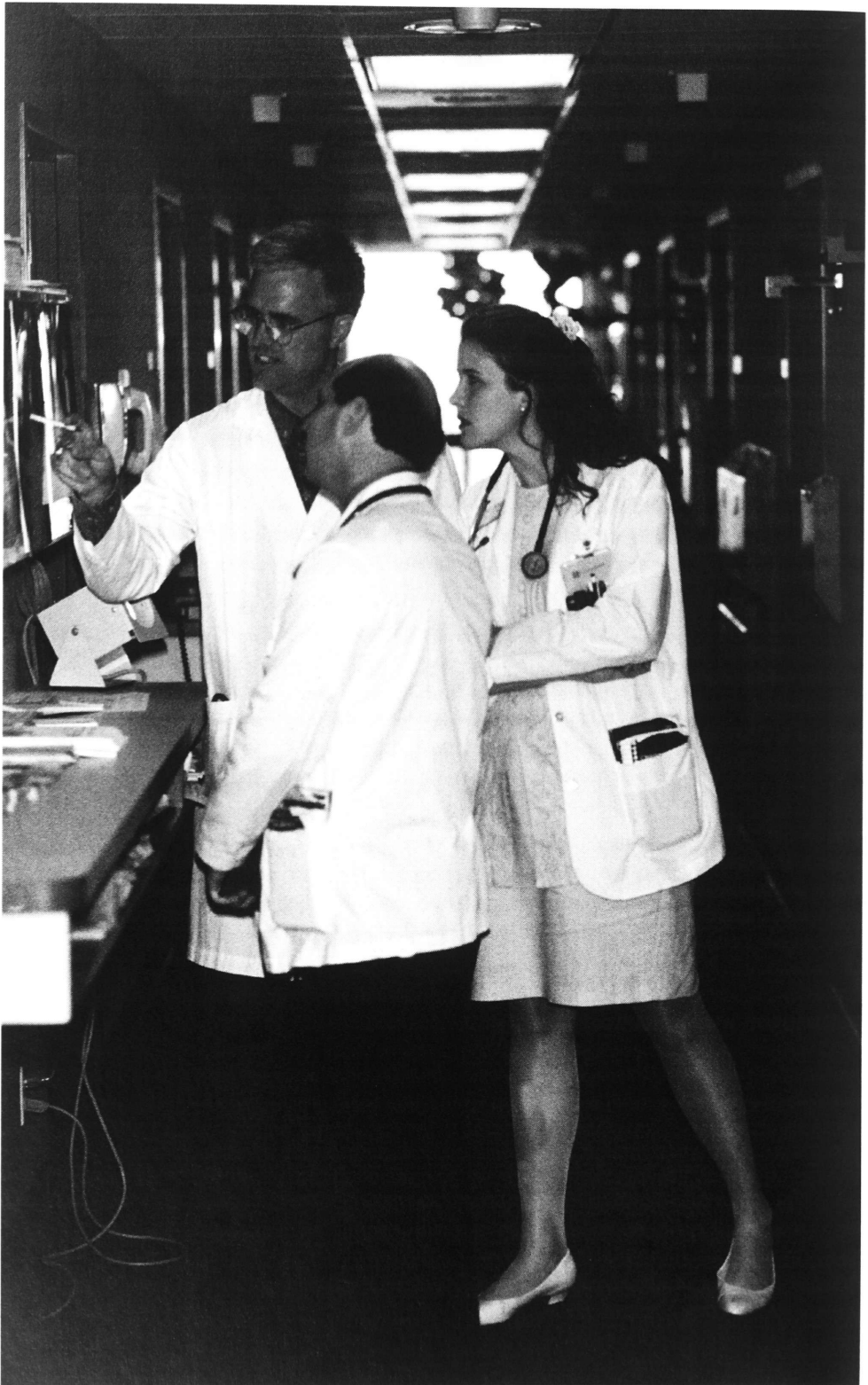
The center has undertaken programs to: 1) broaden the curriculum of the College of Medicine by incorporating units of study from public health and preventive medicine, health care economics and medical sociology; 2) increase understanding of the effects of health care facility design and planning on the organization and delivery of care through health services research; 3) improve long-term geriatric care by designing an environment that enhances the physical and mental well-being of the disabled and elderly while facilitating the delivery of health care services; and 4) develop a data base that provides a computerized bibliographic resource for members of the center.

The center supports programs for graduate student training in interdisciplinary approaches to problems in health care organization and delivery, and facility design and development.

## **Institute for Health Care Evaluation**

**Director: W.R. Gold Associate Director: R.L. Street, Jr.**

The goal of the Institute for Health Care Evaluation is to establish links between the research capabilities of the College of Medicine and the other investigative efforts throughout the University in the area of health services research. Health services research broadly includes issues of efficacy, effectiveness, cost, access and quality of health care. The Institute works to improve the quality of health care at the most effective cost; to develop collaborative research efforts between the College of Medicine and the other colleges at Texas A&M University in the area of medical care research; to offer a unique environment of medical and technical expertise to corporations and agencies developing new medical technologies; and to establish a liaison between University faculty members and corporations for sponsorship of new medical product ideas.



# Faculty

- Adams, H. Ray**, *Associate Professor of Pathology and Laboratory Medicine*. (1977, 1981)  
B.S., Texas A&M University, 1962; M.S., Texas A&M University, 1965; Ph.D., University of Texas Southwestern Medical School, 1972.
- Adams, Louis W.**, *Associate Professor of Surgery*. (1984)  
B.A., Stanford University, 1964; M.S., Stanford University, 1964; M.D., Baylor College of Medicine, 1968.
- Albers, James H.**, *Assistant Professor of Internal Medicine*. (1992)  
B.S., Texas A&M University, 1984; M.D., University of Texas Medical Branch, 1988.
- Alexander, Philip R.**, *Clinical Assistant Professor of Internal Medicine*. (1978, 1981)  
B.Mus., Curtis Institute of Music, 1966; M.D., Baylor College of Medicine, 1971.
- Allen, Steven R.**, *Assistant Professor of Obstetrics and Gynecology*. (1994)  
B.S., Milligan College, 1980; M.D., Washington University School of Medicine, 1984.
- Alpini, Gianfranco D.**, *Assistant Professor of Internal Medicine*. (1994)  
Ph.D., University of Studies of Rora, 1976.
- Amin, Murlidhar A.**, *Assistant Professor of Internal Medicine*. (1994)  
M.D., Baroda Medical College, 1986.
- Anderson, Frank G., Jr.**, *Clinical Professor of Surgery*. (1979, 1981)  
B.S., Texas A&M University, 1950; M.D., University of Texas Medical Branch, 1954.
- Anderson, Fred G.**, *Clinical Associate Professor of Surgery*. (1979, 1981)  
B.A., University of Texas, 1958; M.D., University of Texas Medical Branch, 1962.
- Andrew, William F.**, *Assistant Professor of Surgery*. (1989)  
B.S., University of Missouri - Columbia, 1942; M.D., Washington University School of Medicine, 1945.
- Appleton, Margaret P.**, *Assistant Professor of Obstetrics and Gynecology*. (1991, 1992)  
B.S., Texas A&M University, 1984; M.D., Texas A&M University Health Science Center, 1988.
- Arcilla, Juanita R.**, *Clinical Lecturer in Internal Medicine*. (1989)  
B.A., University of St. Thomas, 1964; M.D., Far Eastern University, 1970.
- Armstrong, Robert B.**, *Professor and Head of Medical Physiology*. (1992)  
B.A., Hastings College, 1962; M.S., Washington State University, 1970; Ph.D., Washington State University, 1973.
- Asbury, John R.**, *Associate Professor of Pediatrics*. (1977, 1981)  
B.S., Austin College, 1965; M.D., Baylor College of Medicine, 1969.
- Ashcraft, Ray A.**, *Associate Professor of Surgery*. (1988)  
B.S., North Texas State University, 1958; D.D.S., Baylor College of Dentistry, 1963.
- Attas, Michael**, *Clinical Assistant Professor of Internal Medicine*. (1993)  
B.A., Baylor University, 1969; M.D., University of Texas Medical Branch, 1973.
- Averitt, William M.**, *Assistant Professor of Family and Community Medicine*. (1993)  
B.S., University of Texas at Austin, 1980; D.O., Texas College of Osteopathic Medicine, 1990.
- Avots-Avotins, Andrejs E.**, *Assistant Professor of Internal Medicine*. (1989)  
B.A., University of Texas, 1975; Ph.D., University of Texas Medical Branch, 1980; M.D., University of Texas Medical Branch, 1984.
- Baden, Wayne F.**, *Clinical Professor Emeritus of Obstetrics and Gynecology*. (1981)  
B.S., Coe College, 1940; M.D., University of Iowa College of Medicine, 1943.
- Badger, Gary R.**, *Assistant Professor of Surgery*. (1993)  
D.D.S., Georgetown University, 1970; M.S., University of Missouri - Kansas City, 1977.
- Bains, Louis W.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1990)  
B.A., University of Texas, 1950; M.D., University of Texas Medical Branch, 1953.
- Baisden, Clinton E.**, *Associate Professor of Surgery*. (1991)  
B.S., U.S. Air Force Academy, 1971; M.D., University of Oklahoma, 1975.

- Baker, Dudley P.**, *Professor of Obstetrics and Gynecology.* (1977, 1981)  
B.A., Southern Methodist University, 1958; M.D., Louisiana State University School of Medicine, 1962.
- Bame, Sherry I.**, *Associate Professor of Family and Community Medicine.* (1984, 1988)  
B.S.N., University of Michigan, 1969; M.S., Boston University, 1972; Ph.D., University of Michigan, 1985.
- Barenholtz, Lawrence.** *Assistant Professor of Internal Medicine.* (1991)  
B.A., Wayne State University, 1965; M.D., University of Michigan Medical School, 1969.
- Barker, James A.**, *Assistant Professor of Internal Medicine.* (1994)  
B.A., University of Kansas, 1977; M.D., University of Kansas School of Medicine, 1980.
- Bartels, W. George.** *Assistant Professor of Family and Community Medicine.* (1983)  
B.A., Texas Lutheran College, 1974; M.D., University of Texas Health Science Center, 1980.
- Bartold, Stephen P.**, *Assistant Professor of Internal Medicine and of Radiology.* (1989, 1995)  
M.D., University of Michigan, 1977.
- Barton, David D.**, *Assistant Professor of Internal Medicine.* (1986)  
B.S., University of Texas at Austin, 1978; M.D., University of Texas Medical School at Houston, 1982.
- Baskerville, Jerry R.**, *Assistant Professor of Emergency Medicine.* (1990)  
B.S., University of Alberta, 1974; M.D., University of Alberta, 1976.
- Bassel, Maria E.**, *Assistant Professor of Internal Medicine.* (1979, 1984)  
B.S., Institute of Technology, 1950; M.D., University Nuevo Leon, 1956.
- Bastron, R. Dennis.** *Professor of Anesthesiology.* (1994)  
B.A., University of Iowa, 1960; M.D., University of Iowa College of Medicine, 1964.
- Baum, R. Allen.** *Assistant Professor of Internal Medicine.* (1989, 1994)  
B.A., Austin College, 1983; M.D., University of Texas Medical Branch, 1987.
- Bayardo, Roberto J.**, *Clinical Associate Professor of Pathology and Laboratory Medicine.* (1994)  
M.D., University of Guadalajara, 1959.
- Bean-Lijewski, Jolene D.**, *Associate Professor of Anesthesiology.* (1985)  
M.D., Friedrich Wilhelm University, 1979; Ph.D., University of Bonn Institute of Physiology, 1980.
- Beeram, Madhava R.**, *Associate Professor of Pediatrics.* (1994)  
M.B.B.S., Sri Venkataswara Medical College, 1979.
- Beissner, Robert S.**, *Assistant Professor of Pathology and Laboratory Medicine.* (1987)  
B.S., Texas Tech University, 1975; Ph.D., Rice University, 1979; M.D., University of Texas Health Science Center, 1984.
- Bellamy, Gail R.**, *Associate Professor of Family and Community Medicine.* (1990)  
B.A., University of California at Los Angeles, 1973; M.A., Pepperdine University, 1978;  
Ph.D., Johns Hopkins University, 1984.
- Bellens, Edward E.**, *Associate Professor of Surgery.* (1979)  
M.D., Catholic University Louvain, 1959.
- Benavides, Richard A.**, *Assistant Professor of Surgery.* (1986)  
B.S., Virginia Military Institute, 1977; M.D., University of Texas Southwestern Medical School, 1981.
- Benold, Stephen D.**, *Clinical Assistant Professor of Family and Community Medicine.* (1981)  
B.A., Rice University, 1971; M.D., Southwestern University, 1975..
- Berigan, Elizabeth C.**, *Assistant Professor of Internal Medicine.* (1993)  
M.D., University of Nebraska College of Medicine, 1989.
- Bernstein, Lori R.**, *Assistant Professor of Pathology and Laboratory Medicine.* (1996)  
B.A., Harvard University, 1981; Ph.D., Johns Hopkins University, 1989.
- Bhatt, Bankim D.**, *Assistant Professor of Internal Medicine.* (1995)  
M.D., B. J. Medical College, 1981.
- Bierwirth, Matthew B.**, *Assistant Professor of Pediatrics.* (1994)  
B.S., Texas A&M University, 1987; M.D., University of Texas Health Science Center, 1991.
- Biles, Russel K.**, *Assistant Professor of Family and Community Medicine.* (1992)  
B.S., Texas A&M University, 1985; M.D., University of Texas Medical School at Houston, 1989.
- Birkholz, Howard.** *Assistant Professor of Surgery.* (1987)  
D.D.S., Marquette University, 1965.



- Bittenbinder, Timothy M.**, *Assistant Professor of Anesthesiology*. (1989)  
B.S., University of Texas at Austin, 1980; M.D., University of Texas Southwestern Medical School, 1985.
- Black, Dorris B.**, *Clinical Assistant Professor of Pediatrics*. (1994)  
M.D., University of Texas at San Antonio, 1986.
- Black, Samuel H.**, *Professor of Medical Microbiology and Immunology*. (1975)  
B.S., Lebanon Valley College, 1952; M.S., University of Michigan, 1958; Ph.D., University of Michigan, 1961.
- Black, William B.**, *Assistant Professor of Surgery*. (1988)  
D.D.S., Baylor College of Dentistry, 1976.
- Blevins, John K.**, *Assistant Professor of Pediatrics*. (1990)  
B.A., University of Texas at Austin, 1970; M.D., University of Texas Medical School at Houston, 1973.
- Bodden, Jack L.**, *Associate Professor of Psychiatry and Behavioral Science*. (1981)  
B.A., Southwestern University, 1965; M.A., Ohio State University, 1967; Ph.D., Ohio State University, 1969.
- Bohne, Henry E.**, *Clinical Assistant Professor of Surgery*. (1986)  
B.S., Texas A&M University, 1972; M.D., University of Texas Medical Branch, 1976.
- Bollinger, Bruce C.**, *Associate Professor of Emergency Medicine*. (1982, 1992)  
B.S., George Washington University, 1969; M.D., George Washington University School of Medicine and Health Sciences, 1973.
- Bolton, Paul D., Jr.**, *Assistant Professor of Internal Medicine*. (1980)  
B.A., Austin College, 1971; M.D., University of Texas Medical Branch, 1975.
- Bonds, James V.**, *Assistant Professor of Internal Medicine*. (1991)  
B.S., Baylor University, 1983; M.D., Texas A&M University Health Science Center, 1988.
- Bonds, Sheila H.**, *Assistant Professor of Obstetrics and Gynecology*. (1991)  
B.S., Baylor University, 1983; M.D., University of Texas Health Science Center, 1987.
- Borum, Stanley E.**, *Assistant Professor of Anesthesiology*. (1993)  
B.A., Texas Tech University, 1970; M.D., University of Texas Southwestern Medical School, 1974.
- Bose, K. Thomas**, *Assistant Professor of Radiology*. (1994)  
M.D., Kerala University Medical College, 1962.
- Bosquez, Henry T.**, *Program Coordinator of Hispanic Center of Excellence and Lecturer in Humanities in Medicine*. (1992, 1996)  
B.A., Texas A&M University, 1989; M.P.A., Texas A&M University, 1995.
- Bourland, Philip D.**, *Associate Professor of Radiology*. (1979, 1981)  
B.S., Baylor University, 1964; M.S., Baylor University, 1966; Ph.D., Baylor University, 1970.
- Bowers, Robert M.**, *Instructor in Emergency Medicine*. (1994)  
B.S., Texas A&M University, 1985; M.D., University of Texas Medical Branch, 1990.
- Bowling, John R.**, *Assistant Professor of Internal Medicine*. (1981)  
B.A., University of Oklahoma, Norman, 1971; M.D., University of Oklahoma College of Medicine, 1975.
- Boysen, Dirk L.**, *Assistant Professor of Surgery*. (1986)  
B.S., University of Minnesota, 1976; M.D., University of Minnesota Medical School - Minneapolis, 1980.
- Braden, Stephen A.**, *Clinical Assistant Professor of Family and Community Medicine*. (1982) B.S., Southwest Texas State University, 1975; M.D., University of Texas Southwestern Medical School, 1979.
- Braeuer, Norbert R.**, *Assistant Professor of Radiology*. (1990)  
B.S., Lamar University, 1961; M.D., University of Texas Southwestern Medical School, 1966.
- Brakemeier, Robert H.**, *Associate Professor of Obstetrics and Gynecology*. (1979, 1981)  
B.S., Albany College of Pharmacy, 1965; M.D., Albany Medical College, 1969.
- Bramhall, Joe P.**, *Clinical Assistant Professor of Surgery*. (1992)  
B.S., Texas A&M University, 1983; M.D., Texas A&M University Health Science Center, 1985.
- Bramson, Rachel**, *Assistant Professor of Family and Community Medicine*. (1994)  
B.A., University of Chicago, 1982; M.S., University of Washington, 1985; M.D., University of Washington, 1991.

- Brandon, Ronald A.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1979, 1981)  
B.S., Concordia College, 1961; M.S., University of North Dakota, 1966.
- Brannon, David E.**, *Clinical Assistant Professor of Internal Medicine.* (1978, 1981)  
M.D., University of Texas Medical Branch, 1972.
- Brasher, George W.**, *Professor of Internal Medicine and of Pediatrics.* (1977, 1981)  
B.A., Lambuth University, 1959; M.D., University of Tennessee, Memphis, 1961.
- Brassard, James M.**, *Assistant Professor of Internal Medicine.* (1994)  
B.S., Yale University, 1983; M.D., Albany Medical College, 1987.
- Brenner-Wild, Ann L.**, *Clinical Assistant Professor of Surgery.* (1988)  
B.S., University of Houston, 1970; O.D., University of Houston, 1972.
- Brindley, George V., Jr.**, *Professor Emeritus of Surgery.* (1977)  
M.D., University of Texas Medical School at Houston, 1937; M.S., University of Minnesota, 1944.
- Brindley, George W.**, *Associate Professor of Surgery.* (1986, 1992)  
B.A., University of Texas, 1975; B.S. Texas A&M University, 1976; M.S., University of Minnesota Graduate School, ; M.D., University of Texas Medical Branch, 1981.
- Brindley, Glen O.**, *Professor of Surgery.* (1981, 1991)  
B.A., University of Texas at Austin, 1971; M.D., University of Texas Medical Branch, 1975.
- Brindley, Hanes H., Jr.**, *Associate Professor of Surgery.* (1981, 1992)  
B.A., University of Texas, 1965; M.D., University of Texas Medical Branch, 1972.
- Brook, Linda Y.**, *Instructor in Psychiatry and Behavioral Science.* (1992)  
B.S., University of Mary Hardin-Baylor, 1972.
- Brooks, Gary R.**, *Associate Professor of Psychiatry and Behavioral Science.* (1979, 1993)  
B.S., Boston State College, 1969; Ph.D., University of Texas at Austin, 1976.
- Browne, Barry A.**, *Assistant Professor of Internal Medicine and of Pediatrics.* (1990)  
B.A., Southwestern University, 1967; Pharm.D., University of Texas Health Science Center, 1987.
- Bryan, John J.**, *Clinical Assistant Professor of Pathology and Laboratory Medicine.* (1994)  
B.S., Baylor University, 1946; M.D., Baylor College of Medicine, 1954.
- Bryson, Laurance M.**, *Assistant Professor of Emergency Medicine.* (1991)  
B.S., George Washington University, 1960; M.D., University of Arkansas for Medical Sciences, 1965.
- Buckley, Clifford J.**, *Associate Professor of Surgery.* (1993)  
B.A., University of Pennsylvania, 1958; M.D., Hahnemann University School of Medicine, 1962.
- Buechler, Robert B.**, *Assistant Professor of Surgery.* (1990)  
B.A., Rice University, 1977; M.D., University of Texas Health Science Center, 1982.
- Buerk, Charles A.**, *Professor of Surgery.* (1995)  
M.D., Case Western Reserve University, 1963.
- Burghardt, Robert C.**, *Professor of Medical Physiology.* (1990, 1991)  
B.S., University of Michigan, 1969; M.S., Wayne State University, 1973; Ph.D., Wayne State University, 1976.
- Burke, Jack D., Jr.**, *Professor and Head of Psychiatry and Behavioral Science.* (1991)  
B.A., Harvard University, 1970; M.D., Harvard University, 1974; M.P.H., Harvard University, 1979.
- Burke, Kimberly C.**, *Assistant Professor of Pediatrics and of Psychiatry and Behavioral Science.* (1992)  
B.S., Virginia Tech, 1984; M.S., Georgetown University, 1988.
- Busbee, David L.**, *Professor of Medical Physiology.* (1990)  
B.S., Wichita State University, 1965; M.S., Wichita State University, 1968; Ph.D., University of Texas at Austin, 1971.
- Cabrera, Domingo J.**, *Clinical Assistant Professor of Family and Community Medicine.* (1979, 1981)  
M.D., University of Havana Medical School, 1953.
- Cain, Phillip T.**, *Program Director and Associate Professor of Internal Medicine.* (1979, 1987)  
B.S., Texas Christian University, 1970; M.D., University of Texas Medical Branch, 1974.

- Callender, Kathleen**, *Instructor in Internal Medicine*. (1995)  
B.S., University of Oklahoma College of Medicine, 1980; M.D., University of New Mexico School of Medicine, 1991.
- Calvert, Terry L.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1993)  
B.S., University of Rhode Island, 1984; M.D., Pennsylvania State University, 1988.
- Calvo, Ricardo E.**, *Assistant Professor of Internal Medicine Pediatrics and of Pediatrics*. (1993)  
B.S., New York University, 1965; M.S., Columbia University, 1967; Ph.D., Polytechnic Institute of New York, 1976; M.D., Texas Tech University Health Science Center, 1986.
- Camazine, Brian M.**, *Assistant Professor of Surgery*. (1993, 1994)  
M.D., Harvard Medical School, 1986.
- Campbell, Joel M.**, *Assistant Professor of Internal Medicine*. (1994)  
B.A., Baylor University, 1979; M.S., Baylor University, 1981; M.D., Texas A&M University Health Science Center, 1990.
- Canales, Luis**, *Associate Professor of Radiology*. (1987)  
B.S., University of Puerto Rico, 1954; M.D., University of Puerto Rico School of Medicine, 1958.
- Cannon, Marvin S.**, *Professor of Human Anatomy and Medical Neurobiology*. (1976, 1993)  
B.S., University of Toledo, 1960; M.S., University of Toledo, 1965; Ph.D., Ohio State University, 1969.
- Capen, Charles V.**, *Associate Professor of Obstetrics and Gynecology*. (1984)  
B.S., University of Tennessee at Knoxville, 1970; M.D., University of Tennessee, Memphis, 1973.
- Caraveo, Juan**, *Associate Professor of Internal Medicine*. (1979)  
B.S., Institute Regional de Chihuahua, 1962; M.D., Universidad Autonoma de Chihuahua, 1969.
- Cardone, J. Scott**, *Assistant Professor of Internal Medicine*. (1993)  
B.S., Vanderbilt University, 1983; M.D., University of Cincinnati College of Medicine, 1988.
- Carpentier, William R.**, *Associate Professor of Radiology*. (1979)  
M.D., University of British Columbia, 1961; Ph.D., University of Texas, 1989; M.S., Ohio State University, 1964.
- Carpentier, Wilma S.**, *Assistant Professor of Family and Community Medicine*. (1990)  
B.S., University of Mary Hardin-Baylor, 1976; M.S., Texas Women's University, 1977;  
Ph.D., University of Texas at Austin, 1989.
- Cashion, W. Richard, Jr.**, *Clinical Professor of Internal Medicine*. (1995)  
B.S., University of Texas at Austin, 1962; M.D., University of Texas Medical Branch, 1966.
- Castiglioni, Aldo J., Jr.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1992)  
B.A., University of Texas at Austin, 1975; Ph.D., University of Texas Medical Branch, 1980;  
M.D., Texas A&M University Health Science Center, 1987.
- Cauthen, Don B.**, *Professor and Head of Family and Community Medicine*. (1980)  
B.A., Southern Methodist University, 1966; M.D., University of Texas Southwestern Medical School, 1970.
- Champney, Thomas H.**, *Associate Professor of Human Anatomy and Medical Neurobiology*. (1985, 1991)  
B.S., Southampton College of Long Island University, 1979; M.A., Colgate University, 1980;  
Ph.D., University of Texas Health Science Center, 1984.
- Chandler, James B., Jr.**, *Associate Professor of Internal Medicine*. (1979)  
B.S., University of Georgia, 1954; M.D., Medical College of Georgia, 1960.
- Chatham, Valerie D.**, *Assistant Professor of Internal Medicine*. (1988)  
B.S., Lamar University, 1974; M.D., University of Texas Health Science Center, 1985.
- Chen, Scott H.**, *Associate Professor of Internal Medicine*. (1977)  
B.S., National Taiwan University, 1960; M.D., National Taiwan University, 1965.
- Cheung, Alan Y.**, *Associate Professor of Radiology*. (1988)  
M.B.B.S., University of Hong Kong, 1970.
- Childs, James N.**, *Clinical Assistant Professor of Internal Medicine*. (1992)  
B.S., Texas A&M University, 1979; M.D., Texas Tech University Health Science Center, 1986.

- Childs, Maria V.**, *Clinical Assistant Professor of Internal Medicine.* (1994)  
B.S., David Lipscomb University, 1982; A.D.N., Western Kentucky University, 1985; M.D., University of Louisville School of Medicine, 1990.
- Chintapalli, Girija S.**, *Associate Professor of Psychiatry and Behavioral Science.* (1989)  
M.B.B.S., Guntur Medical College, 1965; M.D., Guntur Medical College, 1969.
- Chiou, George C. Y.**, *Professor and Head of Medical Pharmacology and Toxicology.* (1978)  
B.S., National Taiwan University, 1957; M.S., National Taiwan University, 1960; Ph.D., Vanderbilt University, 1967.
- Chlapek, Ben H.**, *Associate Professor of Emergency Medicine.* (1982)  
B.S., University of Texas at Austin, 1962; D.O., University of Kansas College of Health Sciences, 1975.
- Cho, John**, *Clinical Assistant Professor of Surgery.* (1995)  
M.D., Uniformed Services University of Health Sciences, 1988.
- Chow, Gregory E.**, *Assistant Professor of Obstetrics and Gynecology.* (1993)  
B.S., University of Illinois at Urbana-Champaign, 1984; M.D., Rush University Medical College, 1988.
- Chumak, Bogdan A.**, *Assistant Professor of Family and Community Medicine.* (1988)  
B.A., University of California, Los Angeles, 1973; M.D., University of Guadalajara, 1980.
- Cipriani, Cheryl A.**, *Assistant Professor of Pediatrics and of Surgery.* (1984, 1989)  
B.S., Abilene Christian University, 1975; M.D., University of Texas Medical Branch, 1979.
- Cisneros, Alfredo A.**, *Assistant Professor of Family and Community Medicine.* (1991)  
M.D., National University of Nicaragua, 1966.
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B.S., Texas A&M University, 1980; M.D., Texas A&M University Health Science Center, 1982.
- Clark, Jeffrey W.**, *Assistant Professor of Internal Medicine.* (1994)  
B.S., Texas A&M University, 1983; D.O., Texas College of Osteopathic Medicine, 1989.
- Clements, Jamie H.**, *Professor of Humanities in Medicine.* (1982)  
B.A., University of Texas at Austin, 1952; J.D., University of Texas at Austin, 1955.
- Coburn, Thomas C.**, *Assistant Professor of Emergency Medicine.* (1981)  
B.A., University of Ottawa, 1970; M.D., University of Ottawa Faculty of Medicine, 1976.
- Cochran, John L.**, *Clinical Assistant Professor of Surgery.* (1995)  
B.A., University of Oklahoma, 1973; M.D., University of Oklahoma College of Medicine, 1978.
- Coffield, K. Scott**, *Professor of Surgery.* (1981)  
B.S., Millsaps College, 1966; M.D., University of Mississippi School of Medicine, 1971.
- Coffman, Mark R.**, *Clinical Assistant Professor of Surgery.* (1989)  
B.S., U.S. Air Force Academy, 1973; M.D., Baylor College of Medicine, 1976.
- Cohen, Dinna O.**, *Assistant Professor of Family and Community Medicine.* (1994)  
M.D., University of Texas Health Science Center, 1990.
- Cohen, Nathan R.**, *Assistant Professor of Internal Medicine and of Pediatrics.* (1993, 1995)  
B.A., Southern Methodist University, 1983; M.D., University of Texas Medical Branch, 1987.
- Coleman, Lawrence W., Jr.**, *Clinical Associate Professor of Surgery.* (1978)  
B.S., Baylor University, 1958; M.D., University of Texas Medical Branch, 1962.
- Coles, Stuart L.**, *Assistant Professor of Pediatrics and of Family and Community Medicine.* (1989, 1991)  
B.S., Texas A&M University, 1983; M.D., Texas A&M University Health Science Center, 1985.
- Colina, Kenneth F.**, *Assistant Professor of Pediatrics.* (1994)  
B.A., Rice University, 1986; M.D., Baylor College of Medicine, 1991.
- Conklin, Richard H.**, *Assistant Professor of Internal Medicine.* (1991)  
A.B., Syracuse University, 1960; M.S., Syracuse University, 1963; M.D., State University of New York Health Science Center, 1969; Ph.D., Thomas Jefferson University, 1970.
- Conkling, William S.**, *Professor Emeritus of Pediatrics.* (1976, 1994)  
B.A., Texas Christian University, 1945; M.D., University of Texas Medical Branch, 1949.

- Conley, Charles C.**, *Clinical Professor of Pathology and Laboratory Medicine*. (1983)  
B.A., University of Minnesota, 1944; B.S., University of Minnesota, 1945; M.D., University of Minnesota Medical School - Minneapolis, 1947.
- Cooney, Edward A.**, *Assistant Professor of Family and Community Medicine*. (1987)  
B.S., Wilkes College, 1980; M.D., Hahnemann University School of Medicine, 1980.
- Cooney, John A.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1982)  
B.S., St. Lawrence University, 1968; M.A., Eastern Kentucky University, 1971; Ph.D., University of Texas at Austin, 1977.
- Cooper, O. C.**, *Professor Emeritus of Family and Community Medicine*. (1979, 1995)  
M.D., University of Tennessee, Memphis, 1946.
- Coppola, Marco**, *Assistant Professor of Emergency Medicine*. (1992)  
B.A., LaSalle University, 1985; D.O., University of Osteopathic Medicine, 1989.
- Corbett, Robin L.**, *Assistant Professor of Internal Medicine*. (1993)  
B.A., Hampton University, 1985; M.D., Boston University School of Medicine, 1989.
- Cortes, Leslie L.**, *Assistant Professor of Internal Medicine*. (1991)  
B.A., University of Texas at Austin, 1967; M.A., University of Texas at Austin, 1970; M.D., Baylor College of Medicine, 1979.
- Cortes, Robert, Jr.**, *Assistant Professor of Family and Community Medicine*. (1995)  
B.S., Baylor University, 1976; M.D., Baylor College of Medicine, 1979.
- Couchman, Glen R.**, *Assistant Professor of Family and Community Medicine*. (1982)  
B.S., University of Iowa, 1974; M.D., University of Iowa College of Medicine, 1979.
- Coulter, John B., III**, *Associate Professor of Pathology and Laboratory Medicine and of Surgery*. (1977, 1990)  
B.S., University of Texas at Arlington, 1966; Ph.D., Baylor University, 1970.
- Cox, Steve R.**, *Clinical Assistant Professor of Surgery*. (1993, 1994)  
B.S., Stephen F. Austin State University, 1977; M.D., Texas Tech University, 1984.
- Crane, Stuart D.**, *Clinical Assistant Professor of Psychiatry and Behavioral Science*. (1994)  
B.S., University of Texas at Austin, 1985; M.D., Texas A&M University Health Science Center, 1989.
- Cressman, Françoise M.**, *Assistant Professor of Pediatrics*. (1994)  
B.S., Southwestern University, 1987; M.D., University of Texas Medical Branch, 1991.
- Crisp, Darrell E.**, *Associate Professor of Internal Medicine and of Pediatrics*. (1982, 1985)  
B.A., Trinity University, 1972; M.D., University of Texas Medical School at Houston, 1975.
- Crumpler, Paul H.**, *Assistant Professor of Family and Community Medicine*. (1987)  
B.A., University of Texas at Austin, 1977; M.D., Texas Tech University Health Science Center, 1982.
- Cryar, A. Keith**, *Associate Professor of Internal Medicine*. (1988, 1994)  
B.S., University of Alabama, 1978; M.D., University of Alabama, 1982.
- Culp, Kim S.**, *Associate Professor of Internal Medicine*. (1982, 1986)  
B.S., University of Idaho, 1972; M.D., University of Minnesota Medical School - Minneapolis, 1976.
- Cummings, Robert D.**, *Assistant Professor of Family and Community Medicine*. (1986)  
B.S., University of Texas at Austin, 1956; M.D., University of Texas Medical Branch, 1964.
- Cunningham, Richard D.**, *Professor of Surgery*. (1979)  
M.D., University of Minnesota Medical School - Minneapolis, 1957; M.S., University of Minnesota, 1964; B.S., University of Minnesota, 1955.
- Custer, Monford D., III**, *Associate Professor of Surgery and of Pediatrics*. (1989, 1991)  
B.S., University of Denver, 1974; M.S., Virginia Commonwealth University, 1977; M.D., Medical College of Virginia, 1981.

- Daniel, Carol A.**, *Associate Professor of Pediatrics and of Medical Biochemistry and Medical Genetics.* (1981, 1985)  
B.S., Bethany Nazarene College, 1968; M.D., University of Texas Medical Branch, 1973.
- Daniel, Crawford J.**, *Clinical Professor of Family and Community Medicine.* (1981)  
B.A., University of Texas at Austin, 1948; M.D., University of Texas Medical Branch, 1951.
- Daniel, James F.**, *Associate Professor of Pediatrics.* (1981)  
B.S., Pasadena College, 1968; M.D., Loma Linda University, 1972.
- Davda, Rajesh K.**, *Assistant Professor of Internal Medicine.* (1995)  
B.S., Texas A&M University, 1983; M.D., Texas A&M University Health Science Center, 1987.
- Dave, Nalini M.**, *Clinical Assistant Professor of Internal Medicine.* (1983)  
M.B.B.S., Maulana Azad Medical College, 1972.
- David, David R.**, *Clinical Assistant Professor of Family and Community Medicine.* (1991, 1993)  
B.S., Texas A&M University, 1980; M.D., Texas A&M University Health Science Center, 1982.
- Davila, Fidel**, *Assistant Professor of Internal Medicine.* (1992)  
M.D., Harvard University, 1976.
- Davis, George E.**, *Assistant Professor of Pathology and Laboratory Medicine.* (1991)  
B.S., Arizona State University, 1979; M.D., University of California, San Diego, School of Medicine, 1986; Ph.D., University of California, San Diego, 1986.
- Davis, Joyce S.**, *Professor Emeritus of Pathology and Laboratory Medicine.* (1975)  
B.S., Baylor University, 1945; M.D., Baylor College of Medicine, 1947.
- Davis, Michael J.**, *Professor of Medical Physiology.* (1985, 1995)  
B.S., University of California, Davis, 1975; Ph.D., University of Nebraska College of Medicine, 1979.
- Davis, P. Scott.** *Clinical Assistant Professor of Internal Medicine.* (1989, 1993)  
B.S., University of Houston, 1976; M.D., Texas A&M University Health Science Center, 1985.
- Davis, R. Douglas.** *Assistant Professor of Surgery.* (1990)  
B.A., Trinity University, 1978; M.D., University of Texas Medical School at Houston, 1982.
- Davis, Thomas W.**, *Instructor in Obstetrics and Gynecology.* (1994)  
B.S., Texas Tech University, 1982; M.D., Texas Tech University School of Medicine, 1991.
- Davis, William R.**, *Associate Professor of Internal Medicine.* (1991)  
B.S., Texas A&M University, 1972; M.D., Baylor College of Medicine, 1976.
- Dawson, Nancy S.**, *Research Assistant Professor of Medical Physiology.* (1995, 1996)  
Ph.D., University of Tennessee at Knoxville, 1989.
- De Lorenzo, Robert A.**, *Assistant Professor of Emergency Medicine.* (1995)  
B.S.E., Syracuse University, 1985; M.D., Albany College of Pharmacy, 1990.
- Deiterman, Louis H., Jr.**, *Associate Professor of Radiology.* (1979)  
B.S., University of Texas at Austin, 1954; M.A., University of Texas at Austin, 1957; Ph.D., University of Texas at Austin, 1965.
- Delp, Michael D.**, *Assistant Professor of Medical Physiology.* (1996)  
Ph.D., University of Georgia, 1990.
- Denny, Nathan R.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1993)  
Ph.D., University of Oregon, 1967.
- Desai, Ansuya N.**, *Assistant Professor of Internal Medicine.* (1994) .
- DeVaul, Richard A.**, *Professor of Psychiatry and Behavioral Science and of Family and Community Medicine.* (1988, 1989)  
B.S., Iowa State University, 1961; M.D., University of Rochester School of Medicine and Dentistry, 1966.
- Diaz, Jaime A.**, *Professor of Pathology and Laboratory Medicine.* (1978, 1992)  
M.D., Javeriana University Medical School, 1962.
- Dickey, Nancy W.**, *Associate Professor of Family and Community Medicine* (1996)  
M.D., University of Texas Medical School at Houston, 1976.
- Dieckert, J. Paul**, *Professor of Surgery.* (1987)  
B.S., Texas A&M University, 1973; M.D., University of Texas Southwestern Medical School, 1977.

- Dirks, Kenneth R.**, *Professor Emeritus of Pathology and Laboratory Medicine.* (1980, 1995)  
M.D., Washington University School of Medicine, 1947.
- Dittmar, Susan J.**, *Assistant Professor of Surgery.* (1991)  
B.A., University of Texas at Austin, 1971; M.A., Michigan State University, 1977; M.D., University of Texas Health Science Center, 1981.
- Ditzler, John W., Jr.**, *Clinical Assistant Professor of Surgery.* (1983)  
B.S., Kalamazoo College, 1966; M.D., University of Michigan Medical School, 1970.
- Dobin, Sheila M.**, *Associate Professor of Pediatrics and of Pathology and Laboratory Medicine and Assistant Professor of Medical Biochemistry.* (1984, 1991)  
Ph.D., University of Texas Graduate School of Biomedical Sciences at Houston, 1981.
- Donner, Ludvik R.**, *Associate Professor of Pathology and Laboratory Medicine.* (1986)  
M.D., Charles University Faculty of General Medicine, 1965; Ph.D., Czech Academy of Sciences, 1970.
- Douty, Deborah R.**, *Adjunct Assistant Professor of Pediatrics and Assistant Professor of Family and Community Medicine.* (1981, 1991)  
B.S., Stephen F. Austin State University, 1973; M.D., University of Texas Medical Branch, 1978.
- Douty, Truman B., Jr.**, *Assistant Professor of Pediatrics and of Family and Community Medicine.* (1979)  
B.A., Rice University, 1971; M.D., University of Texas Medical School at Houston, 1974.
- Doyle, Thomas J.**, *Instructor in Internal Medicine.* (1992)  
B.S., Creighton University, 1985; M.D., Creighton University School of Medicine, 1990.
- Drake, Glen B.**, *Assistant Professor of Internal Medicine.* (1980)  
B.S., Southern Methodist University, 1970; M.D., University of Texas Southwestern Medical School, 1975.
- Droemer, Daniel R., Jr.**, *Assistant Professor of Internal Medicine.* (1981)  
B.S., Texas A&M University, 1971; M.D., University of Texas Medical Branch, 1976.
- Drummond-Borg, Lesley M.**, *Clinical Assistant Professor of Medical Biochemistry and Medical Genetics.* (1991)  
M.B.B.Ch., Otago University Medical School, 1971; B.S., Auckland University, 1976; M.D., Otago University Medical School, 1983.
- Duke, Mark S.**, *Assistant Professor of Internal Medicine.* (1994)  
B.A., Stanford University, 1974; B.S., Stanford University, 1974; M.D., St. Louis University School of Medicine, 1978.
- Dula, Jon A.**, *Clinical Associate Professor of Family and Community Medicine.* (1981)  
B.A., Southern Methodist University, 1966; M.D., Ohio State University College of Medicine, 1970.
- Dunham, Jocelyn B.**, *Assistant Professor of Family and Community Medicine.* (1994)  
B.S., University of Texas at Austin, 1987; M.D., University of Texas Medical School at Houston, 1991.
- Dunlop, Robert J.**, *Assistant Professor of Surgery.* (1981)  
B.A., Mankato State University, 1970; M.A., University of Tennessee at Knoxville, 1975; Ph.D., University of Tennessee at Knoxville, 1978.
- Dunn, Carl A.**, *Assistant Professor of Obstetrics and Gynecology.* (1994)  
B.S., Tulane University, 1980; M.S., Texas A&M University, 1982; M.D., University of Texas Medical Branch, 1986.
- Dvoracek, John E.**, *Assistant Professor of Internal Medicine.* (1979)  
B.S., University of Minnesota, 1969; M.D., University of Minnesota Medical School - Minneapolis, 1974.
- Dyck, Walter P.**, *Associate Dean for Clinical Affairs and Professor of Internal Medicine.* (1978, 1995)  
B.A., Bethel College, 1957; M.D., University of Kansas School of Medicine, 1961.
- Earnest, David J.**, *Assistant Professor of Human Anatomy and Medical Neurobiology.* (1994)  
M.S., Northwestern University, 1979; Ph.D., Northwestern University, 1984.
- Easley, David J.**, *Assistant Professor of Pediatrics.* (1995)  
B.S., Baylor University, 1985; M.D., University of Texas Health Science Center, 1989.

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 B.A., University of Kentucky, 1973; B.A., Duke Divinity School, 1978; M.Ed., University of Kentucky, 1982; Th.D., Columbia Theological Seminary, 1993.
- Eberts, John P.**, *Associate Professor of Radiology.* (1979)  
 B.A., Rice University, 1957; M.D., University of Texas Southwestern Medical School, 1961.
- Eckert, Edward R.**, *Clinical Assistant Professor of Pathology and Laboratory Medicine.* (1990)  
 B.S., Texas A&M University, 1978; B.S., Texas A&M University, 1982; M.D., Texas A&M University Health Science Center, 1984.
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 B.A., Texas Women's University, 1969; M.Ed., Texas A&M University, 1975.
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 B.S., Brown University, 1984; M.H.A., Tulane University, 1991; M.D., Tulane University School of Medicine, 1991.
- Eisenhauer, Gail L.**, *Clinical Assistant Professor of Psychiatry and Behavioral Science.* (1992)  
 B.A., University of Arkansas, 1975; M.D., University of Arkansas for Medical Sciences, 1979.
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 M.B.B.S., University of Garyounis School of Medicine, 1977.
- Elkins, Gary R.**, *Associate Professor of Psychiatry and Behavioral Science.* (1982)  
 B.A., Henderson State University, 1975; M.A., East Texas State University, 1976; Ph.D., Texas A&M University, 1980.
- Elliott, Kent F.**, *Assistant Professor of Anesthesiology.* (1991)  
 B.S., Oklahoma State University, 1977; M.D., Oklahoma University College of Medicine, 1987.
- Ellis, Donald L.**, *Assistant Professor of Surgery.* (1988)  
 B.S., Oregon State College, 1952; M.D., University of Oregon, 1956; M.H.A., Baylor University, 1969.
- English, Mark W.**, *Assistant Professor of Family and Community Medicine.* (1991)  
 B.S., Stephen F. Austin State University, 1984; M.D., University of Texas Medical School at Houston, 1988.
- Engvall, William R.**, *Professor Emeritus of Surgery.* (1979, 1994)  
 B.S., Southwestern University, 1955; M.D., University of Texas Medical Branch, 1959.
- Erickson, Richard A.**, *Associate Professor of Internal Medicine.* (1995)  
 B.S., University of California, Irvine, 1974; M.D., University of California, San Diego Medical Center, 1978.
- Eska, Terry F.**, *Clinical Assistant Professor of Family and Community Medicine.* (1980)  
 B.A., Rice University, 1969; M.D., Johns Hopkins University School of Medicine, 1973.
- Falcone, Jeffrey C.**, *Adjunct Assistant Professor of Medical Physiology.* (1989, 1994)  
 B.A., Indiana University, 1982; M.S., Indiana University, 1986; Ph.D., Indiana University, 1989.
- Falcone, Michael W.**, *Clinical Assistant Professor of Internal Medicine.* (1993)  
 B.S., Georgetown University, 1962; Ph.D., Indiana University School of Medicine, 1989.
- Farrow, Jonelle M.**, *Associate Professor of Psychiatry and Behavioral Science.* (1991)  
 B.A., University of Texas at Austin, 1964; Ph.D., University of Texas at Austin, 1969.
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 B.S., Cornell University, 1981; M.D., University of Medicine and Dentistry of New Jersey, 1985.
- Fedorchik, Joseph J.**, *Clinical Assistant Professor of Surgery.* (1990, 1993)  
 B.A., Michigan State University, 1971; M.D., University of Michigan Medical School, 1977.
- Ficht, Allison R.**, *Associate Professor of Medical Biochemistry and Medical Genetics.* (1984, 1996)  
 B.S., Auburn University, 1975; Ph.D., Vanderbilt University, 1980.
- Fife, William P.**, *Director of Hyperbaric Center and Professor of Hyperbaric Medicine.* (1992)  
 B.S., University of Oregon, 1956; Ph.D., Ohio State University, 1962.



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B.S., Oklahoma State University, 1972; D.O., Oklahoma University College of Medicine, 1977.
- Fisher, John D.**, *Associate Professor of Surgery.* (1982, 1987)  
B.A., Rice University, 1970; M.E.E., Rice University, 1970; Ph.D., Rice University, 1974; M.D., University of Texas Health Science Center, 1977.
- FitzSimon-Williams, Denise**, *Assistant Professor of Pediatrics.* (1993)  
B.S., Texas A&M University, 1981; M.D., Texas A&M University Health Science Center, 1984.
- Floyd, William F.**, *Assistant Professor of Family and Community Medicine.* (1987)  
B.S., Baylor University, 1952; M.D., University of Texas Medical Branch, 1956.
- Fluet, Norman R.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1993)  
Psy.D., Baylor University, 1978.
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B.S., University of Miami, 1963; M.D., University of Miami School of Medicine, 1967.
- Ford, Joseph C.**, *Associate Professor of Surgery.* (1993, 1994)  
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- Forest, Patricia L.**, *Assistant Professor of Internal Medicine.* (1990)  
B.S., University of North Carolina at Chapel Hill, 1980; M.D., East Carolina University School of Medicine, 1984.
- Foster, Dayne M.**, *Assistant Professor of Pediatrics.* (1986)  
B.S., University of Texas at Austin, 1975; B.S., Texas A&M University, 1981; M.D., Texas A&M University Health Science Center, 1983.
- Foster, Delbert R.**, *Assistant Professor of Internal Medicine.* (1988)  
B.S., Tulane University, 1967; M.D., Baylor College of Medicine, 1971.
- Foster, Mark S.**, *Clinical Assistant Professor of Surgery.* (1995)  
B.S., Texas A&M University, 1976; M.D., University of Texas at San Antonio, 1982.
- Fouls, Charles J.**, *Professor of Internal Medicine.* (1990)  
B.S., East Tennessee State University, 1972; M.D., University of Tennessee, Memphis, 1975.
- Fournier, Constance J.**, *Assistant Professor of Psychiatry and Behavioral Science and of Pediatrics.* (1987, 1991)  
B.S., Wayne State University, 1975; M.Ed., Wayne State University, 1980; Ph.D., University of Texas at Austin, 1987.
- Frankel, Lawrence S.**, *Professor of Pediatrics.* (1986)  
M.D., State University of New York, 1970.
- Fraze, Richard C.**, *Associate Professor of Surgery.* (1988)  
B.S., Texas A&M University, 1979; M.D., Texas A&M University Health Science Center, 1983.
- Freeman, Donald M.**, *Assistant Professor of Hyperbaric Medicine.* (1991)  
M.D., University of Texas Medical Branch, 1963.
- Frelier, Eileen M.**, *Clinical Assistant Professor of Internal Medicine.* (1991, 1993)  
B.S., University of California, Los Angeles, 1971; M.S., Purdue University, 1973; M.D., University of Calgary, 1985.
- Friedman, Paul A.**, *Assistant Professor of Internal Medicine.* (1994)  
B.S., Brooklyn College, 1972; M.D., University of Texas Health Science Center, 1987.
- Frye, Gerald D.**, *Professor of Medical Pharmacology and Toxicology.* (1983, 1987)  
B.S., Virginia Polytechnic Institute & State University, 1972; Ph.D., University of North Carolina at Chapel Hill, 1977.
- Fryer, John H.**, *Associate Professor of Psychiatry and Behavioral Science.* (1990, 1994)  
A.B., Harvard University, 1967; A.M., Harvard University, 1968; Ph.D., Harvard University, 1974.
- Fulcher, Samuel F. A.**, *Assistant Professor of Surgery.* (1993)  
B.S., University of Texas, 1979; M.D., University of Texas Medical School at Houston, 1983.

- Gaines, William G., Jr.,** *Assistant Professor of Internal Medicine.* (1994)  
B.S., Texas A&M University, 1978; M.D., Texas Tech University Health Science Center, 1982.
- Gamino, Louis A.,** *Associate Professor of Psychiatry and Behavioral Science.* (1981)  
B.A., Creighton University, 1974; M.A., University of Kansas, 1978; Ph.D., University of Kansas, 1980.
- Gammenthaler, Sammy A.,** *Assistant Professor of Internal Medicine.* (1990)  
B.S., University of Central Florida, 1972; M.D., Loma Linda University, 1975.
- Gantt, D. Scott,** *Associate Professor of Internal Medicine.* (1985)  
B.A., Ohio Wesleyan University, 1970; D.O., College of Osteopathic Medicine and Surgery, 1976.
- Garrido, Jose M.,** *Clinical Assistant Professor of Internal Medicine.* (1993)  
M.D., University of Illinois at Chicago, 1985.
- Gastel, Barbara J.,** *Associate Professor of Humanities in Medicine.* (1989)  
B.A., Yale University, 1974; M.P.H., Johns Hopkins University, 1978; M.D., Johns Hopkins University School of Medicine, 1978.
- Geerling, Sonja,** *Senior Lecturer in Pathology and Laboratory Medicine.* (1977, 1985)  
B.S., University Witwatersrand, 1956; M.B.B.Ch., University Witwatersrand, 1964.
- Gehring, Donald R.,** *Assistant Professor of Family and Community Medicine.* (1992)  
B.S., Stephen F. Austin State University, 1983; D.O., Texas College of Osteopathic Medicine, 1989.
- Gelder, John B.,** *Associate Professor of Human Anatomy and Medical Neurobiology.* (1977, 1980)  
B.S., University of Florida, 1967; Ph.D., University of Florida College of Medicine, 1972.
- Gerdes, Paul D.,** *Assistant Professor of Family and Community Medicine.* (1986)  
B.A., Austin College, 1979; M.D., University of Texas Medical Branch, 1983.
- Ghattas, Noshi B.,** *Clinical Assistant Professor of Obstetrics and Gynecology.* (1994)  
M.B.B.S., Cairo University Medical School, 1973.
- Gibson, Jeff R., Jr.,** *Assistant Professor of Anesthesiology.* (1982)  
B.A., Rice University, 1968; M.D., University of Texas Southwestern Medical School, 1972.
- Giebel, Dan W.,** *Assistant Professor of Internal Medicine.* (1994)  
B.S., Texas A&M University, 1985; M.D., Texas A&M University Health Science Center, 1987.
- Gildenberg, Philip L.,** *Adjunct Professor of Surgery.* (1992)  
B.A., University of Pennsylvania, 1955; M.D., Temple University School of Medicine, 1959; Ph.D., Temple University, 1970.
- Giles, James B.,** *Clinical Assistant Professor of Surgery.* (1986)  
B.A., University of Texas at Austin, 1974; M.D., Baylor College of Medicine, 1978.
- Gillette, Francis J., Jr.,** *Assistant Professor of Surgery.* (1987)  
B.S., University of Wisconsin, 1957; D.D.S., Marquette Dental School, 1961.
- Glasgow, Mark L.,** *Assistant Professor of Anesthesiology.* (1990)  
B.S., University of Texas at Austin, 1979; M.D., University of Texas Health Science Center, 1985.
- Glenn, J. Barry, Jr.,** *Clinical Assistant Professor of Surgery.* (1979, 1993)  
B.S., University of Mississippi at Oxford, 1963; M.D., University of Mississippi School of Medicine, 1968.
- Gloff, Donald A.,** *Clinical Associate Professor of Family and Community Medicine.* (1981)  
M.D., University of Texas Medical Branch, 1961.
- Gloyna, David F.,** *Assistant Professor of Anesthesiology.* (1994)  
B.S., University of Texas at Austin, 1974; M.D., University of Texas Medical Branch, 1978.
- Goebel, Gregg R.,** *Assistant Professor of Family and Community Medicine.* (1987)  
B.S., Texas A&M University, 1979; M.D., Baylor College of Medicine, 1983.
- Goen, Patricia A.,** *Assistant Professor of Pediatrics.* (1990)  
B.S., University of Kentucky, 1985; M.D., University of Texas Health Science Center, 1986.
- Goforth, W. Preston,** *Associate Professor of Surgery.* (1987)  
B.S., Abilene Christian University, 1972; D.P.M., Illinois College of Podiatric Medicine, 1978.
- Gold, Bess G.,** *Professor and Head of Pediatrics.* (1984, 1991)  
B.A., Cornell College, 1969; M.D., George Washington University School of Medicine and Health Sciences, 1976.

- Goodman, Anthony H.**, *Professor of Medical Physiology*. (1983, 1985)  
M.D., University of Sydney, 1961 ; Ph.D., University of Sydney, 1968.
- Gorden, Todd B.**, *Clinical Assistant Professor of Surgery*. (1987)  
B.S., Texas A&M University, 1974; M.D., University of Texas Southwestern Medical School, 1978.
- Gordon, Julius A.**, *Professor and Head of Pathology and Laboratory Medicine*. (1991)  
B.S., University of Washington, 1951; M.D., University of Washington, 1955.
- Gossett, Carl W.**, *Assistant Professor of Emergency Medicine*. (1987)  
B.S., Texas Christian University, 1978; M.D., Texas Tech University Health Science Center, 1982.
- Gowan, Eugene, III**, *Assistant Professor of Internal Medicine*. (1981)  
B.S., University of Illinois at Urbana-Champaign, 1964; M.S., University of Illinois at Urbana-Champaign, 1966; Ph.D., University of Illinois at Urbana-Champaign, 1970; M.D., University of Texas Health Science Center, 1976.
- Goza, L. Joyce**, *Instructor in Psychiatry and Behavioral Science*. (1981)  
B.S.N., University of Mary Hardin-Baylor, 1973; M.S., Texas Women's University, 1976.
- Gracious, Barbara L.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1992)  
B.A., Northwestern University, 1979; M.D., Northwestern University Medical School, 1983.
- Granger, Harris J.**, *Professor and Head of Medical Physiology*. (1976, 1982)  
B.S., University of Southwestern Louisiana, 1966; Ph.D., University of Mississippi School of Medicine, 1970.
- Green, J. Ben, III**, *Professor of Internal Medicine*. (1977)  
B.A., Rice University, 1961; M.D., University of Texas Medical Branch, 1965.
- Greenberg, Robert D.**, *Assistant Professor of Emergency Medicine*. (1994)  
B.A., Northeast Louisiana University, 1983; M.D., Louisiana State University School of Medicine, 1988.
- Greene, John F., Jr.**, *Professor of Pathology and Laboratory Medicine*. (1977)  
B.A., Southern College, 1965; M.D., Loma Linda University, 1969.
- Greene, Pamela S.**, *Assistant Professor of Obstetrics and Gynecology*. (1986)  
B.S., Texas A&M University, 1977; M.D., Texas A&M University Health Science Center, 1982.
- Greene, Thomas J.**, *Assistant Professor of Emergency Medicine*. (1988)  
B.A., Brown University, 1972; M.D., University of Texas Health Science Center, 1981.
- Gregory, Wayne A.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1992)  
B.A., University of Texas at Austin, 1973; Ph.D., University of Texas at Austin, 1981.
- Griffith, William H., III**, *Professor of Medical Pharmacology and Toxicology*. (1983, 1994)  
B.S., Lamar University, 1973; M.S., Lamar University, 1975; Ph.D., University of Texas Medical Branch, 1980.
- Griffiths, Garth R.**, *Assistant Professor of Surgery*. (1993)  
B.S., Rice University, 1976; M.S., Johns Hopkins University, 1978; D.D.S., University of Texas Health Science Center, 1982; M.S., University of Texas Health Science Center, 1993.
- Grothaus, Peter C.**, *Associate Professor of Surgery*. (1987, 1992)  
M.B.B.Ch., University of Cape Town, 1974.
- Gudewich, Rhonda M.**, *Assistant Professor of Internal Medicine*. (1994)  
M.D., Tufts University School of Medicine, 1987.
- Hackethorn, David L.**, *Assistant Professor of Internal Medicine*. (1979)  
B.A., Westminster College, 1971; M.D., University of Texas Medical Branch, 1975.
- Hagen, Barbara T.**, *Assistant Professor of Pediatrics*. (1987)  
B.S., Houston Baptist University, 1980; M.D., University of Texas Medical School at Houston, 1984.
- Hagen, Michael P.**, *Assistant Professor of Family and Community Medicine*. (1984)  
B.S., Houston Baptist University, 1977; M.D., University of Texas Medical School at Houston, 1981.
- Hahn, Barbara J.**, *Assistant Professor of Family and Community Medicine*. (1993)  
B.S., University of Washington, 1986; M.D., University of Washington, 1990.

- Hahn, Henry B., Jr.**, *Professor of Pediatrics*. (1977)  
B.S., Roanoke College, 1953; M.D., Medical College of Virginia, 1957; M.S., University of Minnesota, 1965.
- Haji, Asha K.**, *Clinical Assistant Professor of Family and Community Medicine*. (1990, 1993)  
M.B.B.S., G.S. Medical College, 1965.
- Haji, Karim I.**, *Clinical Assistant Professor of Surgery*. (1990)  
M.B.B.S., Bombay University, 1967; M.D., Bombay University, 1973.
- Hajra, Bhrihu R.**, *Associate Professor of Internal Medicine*. (1979)  
B.S., University of Calcutta, 1955; M.B.B.S., University of Calcutta, 1959.
- Hall, Beatriz M.**, *Assistant Professor of Internal Medicine*. (1990)  
B.A., Texas A&M University, 1982; M.D., University of Texas Medical School at Houston, 1987.
- Hall, John J.**, *Clinical Professor of Family and Community Medicine*. (1979, 1993)  
B.S., University of Minnesota, 1951; M.D., University of Minnesota Medical School - Minneapolis, 1951.
- Hall, Regan D.**, *Assistant Professor of Internal Medicine*. (1992)  
B.S., Texas A&M University, 1982; M.D., University of Texas Medical School at Houston, 1990.
- Hamilton, Ginger N.**, *Instructor in Surgery*. (1984)  
B.S., Baylor University, 1977; M.S., Baylor University, 1978.
- Hamilton, William P.**, *Assistant Professor of Surgery*. (1986)  
B.S., University of Texas, 1977; M.D., University of Texas Medical Branch, 1981.
- Hamm, Darren E.**, *Assistant Professor of Family and Community Medicine*. (1994)  
B.S., Texas Tech University, 1987; M.D., University of Texas Medical Branch, 1991.
- Hancher, Tom B.**, *Clinical Assistant Professor of Internal Medicine*. (1981)  
B.A., University of Texas at Austin, ; M.D., University of Texas Medical Branch, 1972.
- Hanna, Sami F.**, *Assistant Professor of Internal Medicine*. (1994)  
M.B.B.Ch., Cairo University Medical School, 1958.
- Hansen, H. Andrew, II**, *Clinical Professor of Surgery*. (1991)  
B.S., Texas A&M University, 1971; M.D., Texas Tech University Health Science Center, 1975.
- Harbolovic, Richard**, *Assistant Professor of Family and Community Medicine*. (1991)  
B.S.S.E., LeHigh University, 1972; M.B.B.S., University of Queensland, 1979.
- Hardaway, Thomas G.**, *Assistant Professor of Psychiatry and Behavioral Science and of Pediatrics*. (1989, 1990)  
B.Mus., University of Texas at Austin, 1974; M.D., University of Texas Health Science Center, 1979.
- Hardy, David R.**, *Associate Professor of Pediatrics and of Anesthesiology*. (1982, 1991)  
B.S., Texas A&M University, 1975; M.D., University of Texas Medical Branch, 1979.
- Harris, Frank S.**, *Assistant Professor of Surgery*. (1994)  
B.S., Indiana University, 1969; M.D., Indiana University School of Medicine, 1973.
- Harrison, James B.**, *Assistant Professor of Surgery*. (1993)  
B.S., Texas A&M University, 1985; M.D., Texas A&M University Health Science Center, 1987.
- Harrison, Richard H., III**, *Clinical Professor of Surgery*. (1981)  
M.D., Baylor College of Medicine, 1952.
- Havalda, James T.**, *Assistant Professor of Surgery*. (1986)  
M.D., Prague, 1964.
- Havemann, David F.**, *Associate Professor of Internal Medicine*. (1979)  
B.S., University of Texas at Austin, 1969; M.D., University of Texas Health Science Center, 1973.
- Hawker, James R., Jr.**, *Assistant Professor of Medical Physiology*. (1995)  
B.A., University of Texas at Austin, 1977; M.S., University of Texas Health Science Center, 1987; Ph.D., Texas A&M University, 1992.
- Haydon, Robert L.**, *Clinical Assistant Professor of Family and Community Medicine*. (1981)  
B.A., University of Texas at Austin, 1969; M.D., University of Texas Medical Branch, 1973.
- Haywood, D. Ray**, *Associate Professor of Surgery*. (1991, 1990)  
M.D., University of Texas Southwestern Medical School, 1958.

- Hendricks, John C.**, *Associate Professor of Surgery.* (1982)  
B.S., University of Iowa, 1968; M.D., University of Iowa College of Medicine, 1972.
- Henry, Robert A., Jr.**, *Assistant Professor of Family and Community Medicine.* (1986)  
B.A., Eastern Michigan University, 1971; D.O., Michigan State University, 1977.
- Hermann, Lonnie G.**, *Clinical Assistant Professor of Family and Community Medicine.* (1987, 1993)  
B.S., Texas A&M University, 1975; M.D., University of Texas Medical Branch, 1979.
- Hermans, Michael R.**, *Associate Professor of Surgery.* (1986)  
A.B., Bowdoin College, 1974; M.D., University of Vermont College of Medicine, 1978.
- Herring, Mary Elizabeth**, *Assistant Professor of Humanities in Medicine.* (1991, 1993)  
B.A., Texas A&M University, 1981; J.D., South Texas College of Law, 1986.
- Herron, Richard E.**, *Clinical Assistant Professor of Family and Community Medicine.* (1986)  
B.S., Baylor University, 1975; M.D., Texas A&M University Health Science Center, 1983.
- Hester, R. Kelly**, *Associate Dean of Academic Affairs and Professor of Medical Pharmacology and Toxicology.* (1979, 1994)  
B.A., Austin College, 1969; Ph.D., University of Texas Health Science Center, 1975.
- Hicks, Paul B.**, *Associate Professor of Psychiatry and Behavioral Science, of Human Anatomy and Medical Neurobiology, and of Medical Pharmacology and Toxicology.* (1987, 1993)  
B.S., Oral Roberts University, 1974; Ph.D., Baylor College of Medicine, 1983; M.D., Baylor College of Medicine, 1983.
- Hiebert, Timothy C.**, *Instructor in Internal Medicine.* (1992)  
M.D., Texas Tech University Health Science Center, 1990.
- Hill, Anabeth**, *Instructor in Psychiatry and Behavioral Science.* (1990)  
B.S., Troy State University, 1972; M.S.W., University of Texas at Austin, 1986.
- Hill, Paul S.**, *Associate Professor of Psychiatry and Behavioral Science.* (1979)  
B.A., University of Texas at Austin, 1955; M.D., University of Texas Medical Branch, 1959; M.P.H., Harvard University, 1968.
- Hillis, Argye I.**, *Associate Professor of Medical Microbiology and Immunology and Clinical Associate Professor of Surgery.* (1982, 1990)  
B.S., Towson State University, 1968; Ph.D., Johns Hopkins University, 1974.
- Hinze, John D.**, *Instructor in Surgery.* (1994)  
B.A., University of Texas at Austin, 1988; D.O., Texas College of Osteopathic Medicine, 1992.
- Hitt, Kirby D.**, *Assistant Professor of Surgery.* (1992)  
B.S., Texas A&M University, 1980; M.D., Texas Tech University Health Science Center, 1986.
- Hobbs, Gregory D.**, *Associate Professor and Head of Emergency Medicine.* (1988, 1993)  
B.S., West Texas State University, 1980; M.D., University of Texas Health Science Center, 1985.
- Hodges, John C.**, *Assistant Professor of Internal Medicine.* (1993)  
B.S., Texas A&M University, 1979; M.D., Texas A&M University Health Science Center, 1981.
- Hoffer, J. Lee**, *Professor of Anesthesiology.* (1992, 1994)  
B.S., LeTourneau University, 1955; Ph.D., University of North Carolina at Chapel Hill, 1975; M.D., University of North Carolina at Chapel Hill School of Medicine, 1976.
- Holleman, Vernon D.**, *Division Director and Associate Professor of Internal Medicine.* (1982)  
B.A., Howard Payne University, 1953; B.A., Howard Payne University, 1953; M.D., Baylor College of Medicine, 1958.
- Holmes, Gary P.**, *Assistant Professor of Internal Medicine.* (1990)  
M.D., University of Texas Health Science Center, 1980.
- Holmes, William D.**, *Assistant Professor of Psychiatry and Behavioral Science and of Pediatrics.* (1992)  
B.A., Baylor University, 1983; M.D., University of Texas Medical Branch, 1987.
- Hopens, Theodore**, *Associate Professor of Radiology.* (1983)  
B.S., City College of New York, 1960; M.S., Ohio State University, 1962; M.D., State University of New York, 1968.

- Houck, Philip D.**, *Assistant Professor of Internal Medicine.* (1993)  
B.S., Pennsylvania State University, 1971; M.S., Northwestern University, 1973; M.D., Northwestern University Medical School, 1979.
- House, J. Kyle**, *Assistant Professor of Surgery.* (1994)  
B.A., Texas A&M University, 1981; D.D.S., University of Texas Health Science Center, 1985.
- Howard, Paxton H., Jr.**, *Professor of Internal Medicine.* (1977)  
B.A., University of Texas, 1958; M.D., Baylor College of Medicine, 1962.
- Howard, Robert A.**, *Clinical Assistant Professor of Family and Community Medicine.* (1983)  
B.S., Louisiana State University, 1975; M.D., Louisiana State University School of Medicine, 1979.
- Huber, Sondra S.**, *Instructor in Psychiatry and Behavioral Science.* (1981)  
B.S., University of Mary Hardin-Baylor, 1980; M.S., American Technical University, 1981.
- Huber, Thomas W.**, *Associate Professor of Medical Microbiology and Immunology.* (1981)  
B.A., University of Texas at Austin, 1964; Ph.D., University of Texas at Austin, 1968.
- Huddleston, Kevin P.**, *Assistant Professor of Obstetrics and Gynecology.* (1991)  
B.A., Abilene Christian University, 1984; M.D., Texas A&M University Health Science Center, 1988.
- Huddleston, Ronald W.**, *Clinical Associate Professor of Family and Community Medicine.* (1979, 1993)  
B.S., Abilene Christian University, 1958; M.D., University of Texas Southwestern Medical School, 1962.
- Hudson, Kevin L.**, *Instructor in Internal Medicine.* (1992)  
B.S., Texas A&M University, 1982; D.O., Texas College of Osteopathic Medicine, 1987.
- Hudspeth, Kenneth B.**, *Clinical Associate Professor of Family and Community Medicine.* (1981)  
B.A., University of Texas at Austin, 1968; M.D., University of Texas Health Science Center, 1972.
- Hughes, William F.**, *Assistant Professor of Obstetrics and Gynecology.* (1994)  
B.S., U.S. Military Academy, 1966; M.D., Medical College of Virginia, 1978.
- Hurley, Douglas L.**, *Coordinator and Professor of Internal Medicine.* (1978, 1992)  
A.B., Yale University, 1966; M.D., Johns Hopkins University School of Medicine, 1970.
- Hutchinson, Lewis R.**, *Assistant Professor of Surgery and of Pediatrics.* (1990, 1993)  
B.S., Texas A&M University, 1978; M.D., Texas A&M University Health Science Center, 1983.
- Hutka, John G.**, *Assistant Professor of Radiology.* (1994)  
B.A., Southwestern University, 1963; M.D., University of Texas Medical Branch, 1968.
- Hutkoff, Lionel**, *Assistant Professor of Surgery.* (1990)  
B.A., University of Buffalo, 1960; D.P.M., Illinois College of Podiatric Medicine, 1964.
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- Iglesia, Kim A.**, *Assistant Professor of Radiology and of Pediatrics.* (1993, 1995)  
B.S., Texas A&M University, 1982; M.D., Texas A&M University Health Science Center, 1988.
- Ihler, Garret M.**, *Professor of Medical Biochemistry and Medical Genetics.* (1977, 1995)  
B.S., California Institute of Technology, 1961; Ph.D., Harvard University, 1967; M.D., University of Pittsburgh School of Medicine, 1976.
- Israbian, Vatche A.**, *Assistant Professor of Internal Medicine.* (1994, 1995)  
M.D., American University of Beirut, 1985.
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- Jackson, Jeffrey A.**, *Associate Professor of Internal Medicine.* (1985)  
B.G.S., University of Michigan, 1977; M.D., University of Michigan Medical School, 1979.
- James, Robert R.**, *Assistant Professor of Internal Medicine.* (1993)  
B.S., Trinity University, 1979; M.D., University of Texas Health Science Center, 1983.
- Jay, Dennis W.**, *Assistant Professor of Pathology and Laboratory Medicine.* (1992)  
B.S., Southwest Missouri State University, 1978; M.A., University of Missouri - Columbia, 1981; Ph.D., Chicago Medical School, 1986.
- Jensen, Randall D.**, *Assistant Professor of Family and Community Medicine.* (1985)  
B.S., University of Nebraska at Lincoln, 1975; M.D., University of Nebraska College of Medicine, 1978.

- Jermain, Donna M.**, *Assistant Professor of Internal Medicine and of Psychiatry and Behavioral Science.* (1990)  
B.S., University of Texas at Austin, 1986; Pharm.D., University of Texas Health Science Center, 1989.
- Jemigan, Floyd E.**, *Assistant Professor of Family and Community Medicine.* (1993)  
B.A., University of Texas at Arlington, 1982; B.S., Texas A&M University, 1988; M.D., Texas A&M University Health Science Center, 1990.
- Jesse, Richard H., IV**, *Assistant Professor of Internal Medicine.* (1981)  
B.A., Austin College, 1972; M.D., University of Texas Medical Branch, 1976.
- Jew, Andrew.** *Assistant Professor of Surgery.* (1985)  
B.S., Baylor University, 1976; M.D., University of Texas Health Science Center, 1980.
- Jew, Katherine M.**, *Assistant Professor of Internal Medicine.* (1983)  
B.S., Texas A&M University, 1977; M.D., University of Texas Health Science Center, 1980.
- Johnson, Arthur E.**, *Professor of Wehner-Welch Research Laboratory.* (1994)  
B.S., California Institute of Technology, 1964; Ph.D., University of Oregon, 1973.
- Johnson, Charles F., III**, *Associate Professor of Surgery.* (1985)  
B.A., University of Texas, 1962; M.D., University of Texas Medical Branch, 1966.
- Johnson, Edwin H.**, *Assistant Professor of Pathology and Laboratory Medicine.* (1990)  
B.A., Rice University, 1973; M.D., University of Alabama, 1977.
- Johnson, Kerry R.**, *Assistant Professor of Emergency Medicine.* (1994)  
B.S., Brigham Young University, 1980; M.D., University of Utah School of Medicine, 1985.
- Johnson, Noreen Z.**, *Clinical Assistant Professor of Obstetrics and Gynecology.* (1982)  
B.S., Howard University, 1973; M.D., Howard University College of Medicine, 1977.
- Jones, A. Lloyd**, *Clinical Associate Professor of Internal Medicine.* (1981)  
B.S., Abilene Christian University, 1958; M.S., Abilene Christian University, 1961; M.D., University of Tennessee, Memphis, 1964.
- Jones, Michael E.**, *Clinical Assistant Professor of Family and Community Medicine.* (1991)  
B.S., Texas A&M University, 1980; M.D., University of Texas Health Science Center, 1985.
- Jones, Terry M.**, *Clinical Associate Professor of Internal Medicine.* (1979, 1993)  
B.A., Austin College, 1970; M.D., Baylor College of Medicine, 1974.
- Jones, Thomas R.**, *Assistant Professor of Emergency Medicine.* (1993)  
B.S., Angelo State University, 1984; M.D., University of Texas Medical School at Houston, 1989.
- Joseph, John A., II**, *Assistant Professor of Family and Community Medicine.* (1986)  
B.A., University of Texas at Austin, 1979; M.D., University of Texas Medical School at Houston, 1983.
- Jundt, Jeffrey W.**, *Associate Professor of Internal Medicine.* (1985)  
B.S., Illinois Benedictine College, 1976; M.D., University of Illinois at Chicago, 1980.
- Kallina, Charles F., III**, *Associate Professor of Surgery.* (1979)  
B.S., University of Texas, 1970; M.D., University of Texas Southwestern Medical School, 1974.
- Kapler, Geoffrey M.**, *Assistant Professor of Medical Biochemistry and Medical Genetics.* (1994)  
Ph.D., Harvard University, 1989.
- Keegan, Gerald T.**, *Professor of Surgery.* (1979)  
B.S., St. Peter's College, 1963; M.D., Cornell University, 1967.
- Keyser, Daniel L.**, *Assistant Professor of Internal Medicine.* (1993)  
B.F.A., North Texas State University, 1982; M.D., University of Texas Medical Branch, 1986.
- Kim, Boo H.**, *Associate Professor of Anesthesiology.* (1988)  
M.D., Medical College of Korea University, 1966.
- Kimmey, Kathy B.**, *Assistant Professor of Internal Medicine.* (1988)  
B.S., Texas A&M University, 1981; M.D., Texas Tech University Health Science Center, 1985.
- Kindle, Kenneth R.**, *Assistant Professor of Family and Community Medicine.* (1992)  
B.S., University of Texas at Arlington, 1981; M.S., University of Texas at Arlington, 1985; D.O., Texas College of Osteopathic Medicine, 1989.

- Kirby, James M.**, *Clinical Assistant Professor of Surgery*. (1990, 1993)  
M.D., University of Texas Medical Branch, 1977.
- Kirby-Keyser, Linda J.**, *Assistant Professor of Pediatrics*. (1993)  
B.A., North Texas State University, 1981; M.D., University of Texas Medical Branch, 1986.
- Kitchings, O. Eugene, III**, *Associate Professor of Anesthesiology*. (1979)  
B.A., Emory University, 1962; M.D., Medical College of Georgia, 1966.
- Klugo, Richard C.**, *Professor of Surgery*. (1983)  
M.Ed., University of Buffalo, 1958; M.D., Albany Medical College, 1962.
- Knieriem, Brian M.**, *Assistant Professor of Surgery*. (1990)  
B.S., University of Alabama, 1980; O.D., University of Alabama, 1984.
- Knight, Alfred B., Jr.**, *Professor and Head of Obstetrics and Gynecology*. (1986, 1992)  
B.S., Massachusetts Institute of Technology, 1968; M.D., Case Western Reserve University School of Medicine, 1972.
- Knight, James A.**, *Professor and Interim Department Head of Humanities in Medicine, Professor of Psychiatry and Behavioral Science and Director of Leadership in Medicine Program*. (1992, 1995)  
A.B., Wofford College, 1941; B.D., Duke University, 1944; M.D., Vanderbilt University School of Medicine, 1952; M.P.H., Tulane University, 1962.
- Knight, Wade L.**, *Associate Professor of Surgery*. (1981)  
B.S., University of Oklahoma, 1966; M.D., Baylor College of Medicine, 1970.
- Ko, Harry H.**, *Assistant Professor of Radiology*. (1994)  
B.S., Seoul National University, 1958; M.D., College of Medicine Seoul National University, 1962.
- Kochevar, Deborah T.**, *Associate Professor of Medical Physiology*. (1990)  
B.A., Rice University, 1978; B.S., Texas A&M University, 1980; D.V.M., Texas A&M University, 1981; Ph.D., University of Texas Southwestern, 1987.
- Kochevar, G. John**, *Associate Professor of Pathology and Laboratory Medicine*. (1985, 1991)  
B.A., Rice University, 1978; M.D., University of Texas Southwestern Medical School, 1981.
- Koehler, Bruce D.**, *Assistant Professor of Internal Medicine*. (1986)  
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B.S., Loyola University of Chicago, 1972; M.S., St. Louis University, 1976; Ph.D., St. Louis University, 1980.
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B.S., University of Illinois at Urbana-Champaign, 1952; D.D.S., University of Illinois at Urbana-Champaign, 1954.
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- McDermott, John J.**, *Distinguished Professor of Humanities in Medicine.* (1981)  
B.A., St. Francis College, 1953; M.A., Fordham University, 1954; Ph.D., Fordham University, 1959.
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B.S., Arkansas State University, 1971; Ph.D., Texas A&M University Health Science Center, 1982.
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M.B.B.S., Calcutta University, 1964; M.D., Calcutta University, 1969.
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- Nisbet, Robert B.**, *Associate Professor of Psychiatry and Behavioral Science and of Obstetrics and Gynecology*. (1982, 1984)  
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B.S., Southwest Texas State University, 1941; M.S., Texas A&M University, 1949; Ph.D., University of Wisconsin, 1952.
- Price, Allan E.**, *Assistant Professor of Internal Medicine.* (1994)  
B.S., University of Texas at Arlington, 1962; M.D., University of Texas Medical Branch, 1965.
- Price, Larry D.**, *Assistant Professor of Internal Medicine and of Surgery.* (1986, 1989)  
B.S., Baylor University, 1974; M.A., Baylor University, 1975; D.O., Texas College of Osteopathic Medicine, 1980.

- Prihoda, Clarence H., Jr.**, *Clinical Assistant Professor of Family and Community Medicine*. (1989, 1993)  
B.S., Texas A&M University, 1976; M.D., Louisiana State University School of Medicine, 1980.
- Probe, Robert A.**, *Assistant Professor of Surgery*. (1990)  
B.S., Texas A&M University, 1982; M.D., Texas A&M University Health Science Center, 1984.
- Pullen, Thomas F.**, *Assistant Professor of Family and Community Medicine*. (1986)  
B.S., Baylor University, 1970; M.D., University of Texas Medical Branch, 1974.
- Quarles, Joan E.**, *Lecturer in Human Anatomy and Medical Neurobiology*. (1982, 1994)  
B.S., Michigan State University, 1965; M.S., Michigan State University, 1969.
- Quarles, John M.**, *Professor of Medical Microbiology and Immunology*. (1976, 1991)  
B.S., Florida State University, 1963; M.S., Florida State University, 1965; Ph.D., Michigan State University, 1973.
- Quinn, William L.**, *Associate Professor of Internal Medicine*. (1992)  
B.A., University of Maryland, 1972; M.S., George Washington University, 1974; M.D., St. George's University School of Medicine, 1982.
- Rachut, Eric**, *Assistant Professor of Pathology and Laboratory Medicine*. (1995)  
M.D., University of Iowa, 1974.
- Rajab, Mohammad H.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1993)  
M.S., Texas A&M University, 1987.
- Ramos, Kenneth S.**, *Professor of Medical Physiology*. (1990, 1996)  
B.S., University of Puerto Rico, 1978; Ph.D., University of Texas at Austin, 1983.
- Randles, Jimmy R.**, *Assistant Professor of Family and Community Medicine*. (1985)  
B.S., Baylor University, 1969; M.D., University of Texas Medical Branch, 1973.
- Ransom, Daniel G.**, *Assistant Professor of Pediatrics*. (1988)  
B.S., Texas A&M University, 1980; M.D., University of Texas Medical Branch, 1985.
- Rappaport, Edward S.**, *Professor of Pathology and Laboratory Medicine*. (1982)  
B.S., University of Illinois at Chicago, 1966; M.D., Loyola University Stritch School of Medicine, 1969.
- Rascoe, Terry G.**, *Assistant Professor of Family and Community Medicine*. (1988)  
B.S., Baylor University, 1981; M.D., Texas A&M University Health Science Center, 1985.
- Rawls, Donald E.**, *Assistant Professor of Internal Medicine*. (1991)  
B.S., University of Texas at Austin, 1972; M.D., University of Texas Medical Branch, 1976.
- Rayburn, William L.**, *Associate Professor of Obstetrics and Gynecology*. (1987)  
B.S., Texas A&M University, 1978; B.S., Texas A&M University, 1981; M.D., Texas A&M University Health Science Center, 1983.
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M.D., Kakatiya Medical College, 1966.
- Reed, Ann M.**, *Assistant Professor of Family and Community Medicine*. (1984)  
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- Reed, Larry D.**, *Assistant Professor of Psychiatry and Behavioral Science*. (1993)  
B.A., University of Texas at Austin, 1961; M.D., University of Texas Southwestern Medical School, 1963;  
B.A., University of Maryland, 1992.
- Reed, Louis A.**, *Assistant Professor of Pediatrics*. (1994)  
B.S., Tulane University, 1970; M.D., Universidad Autonoma de Guadalajara, 1974.
- Reedy, Mark B.**, *Assistant Professor of Obstetrics and Gynecology*. (1994)  
B.S., Hardin-Simmons University, 1983; M.D., Texas Tech University Health Science Center, 1989.
- Reeve, Robert E.**, *Assistant Professor of Surgery*. (1992)  
B.S., State Polytechnic University, 1979; B.S., University of California, Irvine, 1982; M.D., Baylor College of Medicine, 1986.



- Reid, William H.**, *Adjunct Professor of Psychiatry and Behavioral Science.* (1992)  
B.A., University of Minnesota, 1966; M.D., University of Minnesota Medical School - Minneapolis, 1970;  
M.P.H., University of California, Berkeley, 1975.
- Reilly, T. Philip**, *Associate Professor of Surgery.* (1993)  
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- Reis, Michael D.**, *Assistant Professor of Family and Community Medicine.* (1987)  
B.S., Texas A&M University, 1980; M.D., University of Texas Medical School at Houston, 1984.
- Reiter, Charles G.**, *Assistant Professor of Surgery.* (1993)  
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B.S., Texas Christian University, 1977; B.S., University of Texas Health Science Center, 1980; M.D.,  
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- Rice, Carol A.**, *Associate Professor of Rural Public Health.* (1995)  
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of Texas at Austin, 1988.
- Richards, Robert M.**, *Assistant Professor of Internal Medicine.* (1992, 1994)  
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- Richardson, Barbara E.**, *Assistant Professor of Internal Medicine.* (1989, 1991)  
B.S., Framingham State College, 1975; S.M., Massachusetts Institute of Technology, 1984; Ph.D.,  
University of North Carolina at Chapel Hill, 1992.
- Richardson, Sidney H.**, *Clinical Professor of Family and Community Medicine.* (1981)  
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- Riess, Richard L.**, *Assistant Professor of Surgery.* (1986)  
B.S., Central Michigan University, 1963; M.C.D., University of Oklahoma, 1964; Ph.D., University of  
Utah, 1971.
- Rinaldi, Phillip A.**, *Assistant Professor of Anesthesiology.* (1993)  
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- Rinehart, John J.**, *Professor of Internal Medicine.* (1990)  
B.S., Ohio State University, 1967; M.D., Ohio State University College of Medicine, 1970.
- Robbins, Karen B.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1986)  
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University, 1985.
- Roberson, Charles R.**, *Assistant Professor of Anesthesiology.* (1990)  
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- Robinson, Haywood J.**, *Clinical Assistant Professor of Family and Community Medicine.* (1982)  
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Medicine, 1978.
- Rodriguez, Ruiz O.**, *Instructor in Internal Medicine.* (1995)  
B.S., University of Puerto Rico, 1981; M.D., Universidad Central del Caribe, 1986.
- Rogers, Thomas R.**, *Assistant Professor of Surgery.* (1992)  
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B.S., University of Texas at El Paso, 1976; M.D., University of Texas Medical Branch, 1980.
- Roquet, Warren P.**, *Clinical Assistant Professor of Family and Community Medicine.* (1990)  
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- Rosen, David H.**, *Professor of Humanities in Medicine and of Psychiatry and Behavioral  
Science.* (1986, 1989)  
B.A., University of California, Berkeley, 1966; M.D., University of Missouri - Columbia School of  
Medicine, 1970.
- Rosen, Patricia B.**, *Assistant Professor of Emergency Medicine.* (1992)  
B.A., Ohio State University, 1974; M.D., Medical College of Ohio, 1977; M.P.H., Tulane University, 1992.

- Rosenstein, Leslie D.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1993)  
B.A., University of Texas at Austin, 1983; Ph.D., University of Texas at Austin, 1988.
- Rosiles, Joseph R.**, *Assistant Professor of Family and Community Medicine.* (1985)  
B.S., Texas Tech University, 1975; M.D., University of Texas Medical Branch, 1980.
- Rowe, Mark S.**, *Assistant Professor of Obstetrics and Gynecology.* (1993)  
M.D., University of Texas Medical Branch, 1982.
- Rowlett, Carl D.**, *Assistant Professor of Internal Medicine.* (1993)  
B.S., Texas Tech University, 1974; M.S., Texas Tech University, 1977; M.D., Texas Tech University Health Science Center, 1987; M.S., University of Iowa, 1989.
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- Ruff, Tibor**, *Professor of Surgery.* (1979)  
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- Ruggiero, Michael F.**, *Clinical Assistant Professor of Family and Community Medicine.* (1995)  
D.O., Philadelphia College of Osteopathic Medicine, 1983.
- Rupley, Marcelina P.**, *Clinical Assistant Professor of Pediatrics.* (1994)  
B.S., Far Eastern University, 1978; M.D., Far Eastern University, 1982.
- Russell, Gül A.**, *Associate Professor of Humanities in Medicine.* (1989)  
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- Russell, I. Steele**, *Professor of Human Anatomy and Medical Neurobiology and of Psychiatry and Behavioral Science.* (1989, 1992)  
B.A., University of Nottingham, 1955; Ph.D., Indiana University, 1961; D.Sc., University of Nottingham, 1987.
- Russell, Leon H., Jr.**, *Professor of Medical Microbiology and Immunology.* (1978)  
B.S., University of Missouri, 1953; D.V.M., University of Missouri - Columbia, 1956; M.P.H., Tulane University, 1958; Ph.D., Texas A&M University, 1965.
- Ryan, Jeanne W.**, *Assistant Professor of Internal Medicine.* (1991)  
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- Ryan, Patrick B.**, *Clinical Assistant Professor of Surgery.* (1990)  
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- Rye, Patricia D.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1990)  
B.A., Augusta College, 1979; M.S., Augusta College, 1980; Ph.D., Vanderbilt University, 1985.
- Rynearson, Robert R.**, *Professor of Psychiatry and Behavioral Science.* (1977)  
B.A., Harvard University, 1954; M.D., University of Minnesota Medical School - Minneapolis, 1958.
- Sampson, H. Wayne**, *Professor of Human Anatomy and Medical Neurobiology.* (1979, 1993)  
B.S., University of Texas at Arlington, 1967; Ph.D., Baylor University, 1970.
- Samuel, James E.**, *Assistant Professor of Medical Microbiology and Immunology.* (1993)  
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- Sanchez, Phyllis N.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1992)  
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- Sanders, Charles W.**, *Associate Professor of Obstetrics and Gynecology.* (1986)  
B.S., University of Houston, 1977; M.D., University of Texas Health Science Center, 1981.
- Sartorius, Norman**, *Adjunct Professor of Psychiatry and Behavioral Science.* (1992)  
M.A., University of Zagreb Faculty of Psychology, 1954; M.D., University of Zagreb School of Medicine, 1958; Ph.D., University of Zagreb Faculty of Psychology, 1965.
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B.S., University of Texas at El Paso, 1971; M.D., Baylor College of Medicine, 1974.

- Schally, Gordon R.**, *Assistant Professor of Radiology.* (1993)  
M.D., Louisiana State University School of Medicine, 1987.
- Scherer, David M.**, *Instructor in Internal Medicine.* (1994)  
M.D., Texas A&M University Health Science Center, 1992.
- Schlabach, Michael R., Sr.**, *Associate Professor of Internal Medicine.* (1981, 1989)  
B.S., Texas A&M University, 1973; M.S., Texas A&M University, 1974; M.D., University of Texas Medical Branch, 1978.
- Schnitker, James R.**, *Assistant Professor of Radiology.* (1994)  
M.D., University of Texas Southwestern Medical School, 1989.
- Scholtz, J. Martin**, *Assistant Professor of Medical Biochemistry and Medical Genetics.* (1993)  
B.S., University of Nebraska at Lincoln, 1984; Ph.D., University of California, Berkeley, 1989.
- Schoolar, E., Jr.**, *Associate Professor of Radiology.* (1977)  
B.S., Texas Wesleyan College, 1958; M.D., University of Oklahoma College of Medicine, 1964.
- Schrier, Jana J.**, *Assistant Professor of Obstetrics and Gynecology.* (1992)  
B.S., University of Houston, 1979; M.D., University of Texas Medical Branch, 1983.
- Schuchmann, John A.**, *Associate Professor of Internal Medicine.* (1981)  
B.A., Ohio State University, 1968; M.D., Ohio State University College of Medicine, 1971.
- Schultz, Gregory A.**, *Assistant Professor of Radiology.* (1993)  
B.A., Concordia College, 1984; M.D., University of Texas Medical School at Houston, 1988.
- Scott-Burden, Timothy**, *Adjunct Assistant Professor of Medical Physiology.* (1994)  
B.S., 1966; Ph.D., 1971.
- Segrest, David R.**, *Clinical Associate Professor of Family and Community Medicine.* (1978, 1981)  
B.S., Baylor University, 1965; M.D., Baylor College of Medicine, 1969.
- Self, Donnie J.**, *Professor of Humanities in Medicine and of Pediatrics.* (1983, 1986)  
B.S., Furman University, 1965; B.A., Furman University, 1967; M.A., University of North Carolina at Chapel Hill, 1969; Ph.D., University of North Carolina at Chapel Hill, 1973.
- Shah, Rajnikant S.**, *Assistant Professor of Radiology.* (1981)  
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- Sharp, James G.**, *Assistant Professor of Family and Community Medicine.* (1991)  
B.S., Stephen F. Austin State University, 1976; M.D., University of Texas Health Science Center, 1985.
- Sheffield, Jesse D., II**, *Assistant Professor of Family and Community Medicine.* (1993)  
B.S., Howard Payne University, 1984; D.O., Texas College of Osteopathic Medicine, 1989.
- Shipman, Nolan D.**, *Clinical Assistant Professor of Surgery.* (1978, 1993)  
B.A., Asbury College, 1962; M.D., Ohio State University College of Medicine, 1966.
- Shoultz, Charles A., Jr.**, *Clinical Assistant Professor of Internal Medicine.* (1993, 1994)  
B.S., University of Texas at Austin, 1959; M.D., University of Texas Medical Branch, 1963.
- Shull, Bob L.**, *Professor of Obstetrics and Gynecology.* (1977)  
B.A., Duke University, 1964; M.D., Tulane University School of Medicine, 1968.
- Sicilio, Mark S.**, *Assistant Professor of Pediatrics.* (1984)  
B.S., Texas A&M University, 1979; M.D., Texas A&M University Health Science Center, 1981.
- Simmons, Doyle L.**, *Assistant Professor of Radiology.* (1993)  
M.D., University of Texas Southwestern Medical School, 1960.
- Skow, Loren C.**, *Professor of Medical Biochemistry and Medical Genetics.* (1991)  
B.S., Abilene Christian University, 1969; M.S., Abilene Christian University, 1971; Ph.D., Texas A&M University, 1976.
- Skrovan, Susan S.**, *Clinical Associate Professor of Pediatrics.* (1981)  
M.D., University of Texas Medical Branch, 1961.
- Smith, Daniel J.**, *Assistant Professor of Internal Medicine.* (1981)  
M.D., University of Texas Medical Branch, 1976.

- Smith, David A.**, *Assistant Professor of Emergency Medicine.* (1991)  
B.S., New Mexico Institute of Mining and Technology, 1979; M.D., University of New Mexico, 1982.
- Smith, Elvin E.**, *Interim Vice President for Health Affairs, Interim Dean, and Professor of Medical Physiology.* (1975, 1995)  
B.S., William Carey College, 1960; Ph.D., University of Mississippi School of Medicine, 1964.
- Smith, Gary D.**, *Director of Educational Affairs, Assistant Dean for Academic Affairs, and Assistant Professor of Internal Medicine and of Psychiatry and Behavioral Science.* (1989, 1990)  
B.S., Abilene Christian University, 1967; M.A., Abilene Christian University, 1973; Ed.D., Baylor University, 1978.
- Smith, Glen A.**, *Assistant Professor of Internal Medicine.* (1988, 1990)  
B.A., Texas Tech University, 1979; M.D., University of Texas Medical Branch, 1985.
- Smith, Jeffrey P.**, *Assistant Professor of Pediatrics.* (1993)  
B.S., Texas A&M University, 1986; M.D., University of Texas Medical School at Houston, 1990.
- Smith, Kyle H.**, *Assistant Professor of Surgery.* (1990)  
B.S., Lubbock Christian University, 1982; M.D., University of Texas Health Science Center, 1986.
- Smith, Mark A.**, *Assistant Professor of Internal Medicine.* (1994)  
B.S., University of Maryland, 1982; M.D., University of Maryland School of Medicine, 1986.
- Smith, Michael C.**, *Assistant Professor of Pediatrics.* (1993)  
M.D., University of Texas Southwestern Medical School, 1979.
- Smith, Randall W.**, *Associate Professor of Surgery.* (1986)  
B.S., Baylor University, 1976; M.D., Wayne State University School of Medicine, 1981.
- Smith, Randy W.**, *Clinical Assistant Professor of Obstetrics and Gynecology.* (1987)  
B.A., Austin College, 1978; M.D., University of Texas Medical School at Houston, 1982.
- Smith, Richard A.**, *Assistant Professor of Family and Community Medicine.* (1986)  
B.S., Texas A&M University, 1979; M.D., University of Texas Medical School at Houston, 1983.
- Smith, Steven L.**, *Assistant Professor of Family and Community Medicine.* (1981)  
B.S., Midwestern State University, 1973; M.D., University of Texas Medical Branch, 1977.
- Snyder, Samuel K.**, *Professor of Surgery.* (1981)  
B.A., Dartmouth College, 1970; M.D., Loyola University Stritch School of Medicine, 1974.
- Song, Zhao-Hui**, *Assistant Professor of Medical Pharmacology and Toxicology.* (1996) .
- Spann, June M.**, *Assistant Professor of Internal Medicine.* (1992)  
M.D., University of Texas Southwestern Medical School, 1982.
- Speights, V. O., Jr.**, *Associate Professor of Pathology and Laboratory Medicine.* (1986)  
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- Spencer, Derek V.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1989)  
B.S., Howard University, 1962; M.D., Howard University College of Medicine, 1967; M.P.H., Columbia University, 1971.
- Spiekerman, A. Michael**, *Professor of Pathology and Laboratory Medicine.* (1977)  
B.S., Southwestern University, 1965; M.S., Texas A&M University, 1968; Ph.D., University of Texas at Austin, 1972.
- Stagg, Daniel P., III**, *Instructor in Internal Medicine.* (1993)  
M.D., Louisiana State University School of Medicine, 1991.
- Stanley, William G.**, *Assistant Professor of Internal Medicine.* (1985)  
B.S., Kansas State University, 1972; D.O., Kansas City College of Osteopathic Medicine, 1977.
- Stark, Earl W.**, *Professor of Surgery.* (1983)  
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- Starks, Ralph R.**, *Assistant Professor of Radiology.* (1992)  
B.A., Columbia Union College, 1953; M.D., Loma Linda University, 1963.
- Starr, John C.**, *Professor and Head of Internal Medicine.* (1977, 1980)  
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- Steele, A. Dean**, *Professor of Internal Medicine.* (1979)  
B.S., University of Delaware, 1956; M.D., University of Pennsylvania School of Medicine, 1960.
- Stevens, Christopher G.**, *Assistant Professor of Internal Medicine.* (1993)  
B.S., Rice University, 1972; M.D., University of Texas Southwestern Medical School, 1976.
- Sterling, James A.**, *Assistant Professor of Family and Community Medicine.* (1992)  
B.S., McMurray University, 1980; B.S., University of Texas Medical Branch, 1985; D.O., Texas College of Osteopathic Medicine, 1989.
- Stern, Charles H.**, *Assistant Professor of Family and Community Medicine.* (1992)  
B.A., University of Texas at Austin, 1982; M.D., University of Texas Health Science Center, 1986.
- Stewart-Foulks, Patricia C.**, *Assistant Professor of Pediatrics.* (1991)  
M.D., University of Texas Health Science Center, 1984.
- Stigler, Del B.**, *Clinical Assistant Professor of Family and Community Medicine.* (1995)  
B.A., University of Colorado at Boulder, 1971; M.D., University of Colorado at Denver, 1974.
- Stinson, James C.**, *Professor Emeritus of Pathology and Laboratory Medicine.* (1977)  
B.S., Texas A&M University, 1943; M.D., University of Texas Medical Branch, 1945.
- Stites, Kirk D.**, *Instructor in Internal Medicine.* (1994)  
B.S., Oklahoma State University, 1982; M.D., University of Oklahoma College of Medicine, 1991.
- Stoebner, John M.**, *Professor of Radiology.* (1977, 1995)  
B.S., Loyola University, 1956; M.D., University of Texas Medical Branch, 1959.
- Stone, Bryan**, *Assistant Professor of Family and Community Medicine.* (1985)  
B.Sc., University of Birmingham, 1957; M.B.B.Ch., University of Birmingham, 1960.
- Street, Luther**, *Assistant Professor of Pediatrics.* (1993)  
B.S., University of Georgia, 1967; M.D., Medical College of Georgia, 1971.
- Street, Richard L., Jr.**, *Professor of Internal Medicine.* (1991)  
B.A., Texas Tech University, 1975; M.A., Texas Tech University, 1977; Ph.D., University of Texas at Austin, 1980.
- Struck, Douglas K.**, *Professor of Medical Biochemistry and Medical Genetics.* (1980, 1993)  
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- Stuart, Anthony L.**, *Assistant Professor of Anesthesiology.* (1993, 1994)  
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- Sulak, Patricia J.**, *Associate Professor of Obstetrics and Gynecology.* (1987)  
B.S., University of Houston, 1975; M.D., University of Texas Health Science Center, 1980.
- Sundaram, Sukumar**, *Assistant Professor of Internal Medicine.* (1993)  
M.D., Madres Medical College, 1991.
- Sutton, Beverly J.**, *Adjunct Associate Professor of Psychiatry and Behavioral Science.* (1992)  
M.D., University of Michigan Medical School, 1957.
- Svoboda, Christine J.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1988)  
M.A., California School of Professional Psychiatry, 1976; Psy.D., Baylor University, 1980.
- Swanson, Gregory P.**, *Assistant Professor of Radiology.* (1989)  
B.S., University of Texas Health Science Center, 1980; M.D., University of Texas Medical School at Houston, 1985.
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B.A., Texas A&M University, 1967; M.Arch., Texas A&M University, 1968; D.E.D., Texas A&M University, 1972.
- Symmonds, Richard E., Jr.**, *Associate Professor of Surgery.* (1979)  
B.A., Colorado College, 1970; M.D., Emory University School of Medicine, 1974.

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B.S., Sam Houston State College, 1956; M.D., University of Texas Medical Branch, 1960.
- Taylor, Davis W.**, *Assistant Professor of Internal Medicine.* (1993)  
B.S., North Texas State University, 1967; Ph.D., North Texas State University, 1970; M.D., Southern Illinois University School of Medicine, 1982.
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B.S., Ohio State University, 1962; M.D., Northwestern University, 1966.
- Tenner, Patricia**, *Instructor in Pediatrics.* (1994)  
B.S., University of Houston, 1980; M.D., University of Texas at San Antonio, 1992.
- Terry, E. Eugene**, *Professor of Internal Medicine and of Surgery.* (1979, 1989)  
M.D., Baylor College of Medicine, 1970.
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B.S., Wheaton College, 1975; M.S., University of Minnesota, 1979; Ph.D., Johns Hopkins University, 1986.
- Thompson, Elizabeth I.**, *Professor of Pediatrics.* (1995)  
M.D., University of Chicago Pritzker School of Medicine, 1967.
- Thompson, John Q., Jr.**, *Associate Professor of Pediatrics.* (1979)  
B.A., University of Texas, 1971; D.O., Texas College of Osteopathic Medicine, 1975.
- Tipton, Reagan E., Jr.**, *Assistant Professor of Family and Community Medicine.* (1992)  
B.A., University of Texas, 1979; M.S., University of Houston, 1983; D.O., Texas College of Osteopathic Medicine, 1989.
- Tolciu, Patricia E.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1989)  
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- Tracey, Thomas N.**, *Assistant Professor of Internal Medicine.* (1987)  
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- Travis, Joy N.**, *Instructor in Pediatrics.* (1993)  
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B.A., Southwest University, 1962; M.D., University of Texas Medical Branch, 1966.
- Trowbridge, Arthur A.**, *Professor of Internal Medicine.* (1979)  
B.A., West Virginia University, 1962; M.D., West Virginia University School of Medicine, 1966.
- Truitt, Tim D.**, *Assistant Professor of Radiology.* (1991)  
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- Trzeciakowski, Jerome P.**, *Associate Professor of Medical Pharmacology and Toxicology.* (1980, 1986)  
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- Tuggle, Roger D.**, *Assistant Professor of Surgery.* (1990)  
B.S., Tennessee Technological University, 1975; M.D., University of Tennessee, Memphis, 1978.

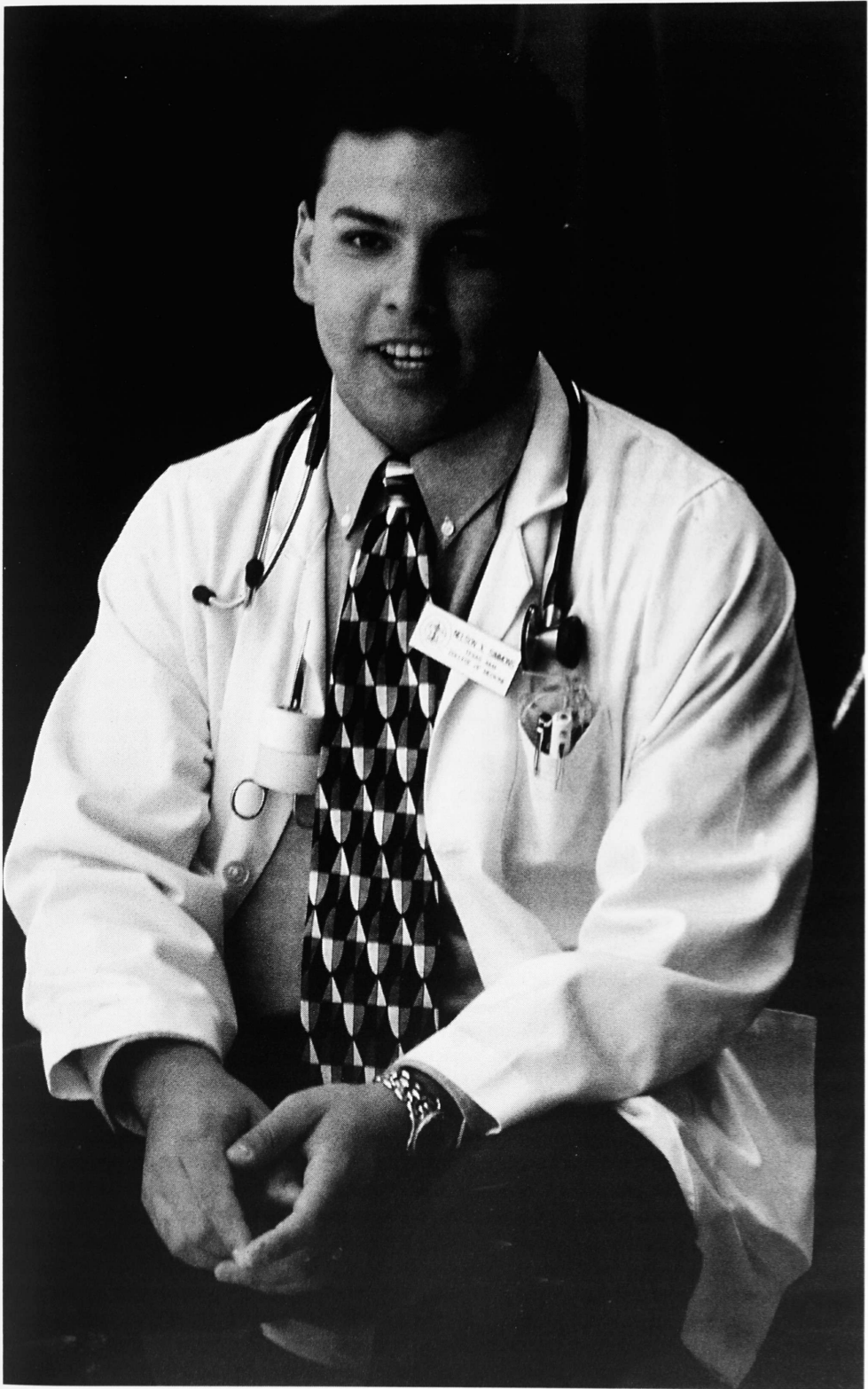
- Turvey, Douglas E.**, *Assistant Professor of Family and Community Medicine.* (1982)  
B.A., Augustana College, ; M.D., University of Illinois at Chicago, 1976.
- Tyler, Barbara A.**, *Assistant Professor of Humanities in Medicine.* (1990)  
B.A., Cornell University, 1975; M.D., Texas A&M University Health Science Center, 1984.
- Ufema, John W.**, *Assistant Professor of Radiology.* (1994)  
M.D., Emory University School of Medicine, 1971.
- Van Wormer, Valerie H.**, *Assistant Professor of Internal Medicine.* (1987)  
B.S., University of Wisconsin, 1980; M.D., University of Wisconsin Medical School, 1984.
- Vedlitz, Arnold**, *Professor of Health Policy of Health Science Center.* (1992)  
B.A., Louisiana State University, 1968; M.A., Louisiana State University, 1970; Ph.D., University of Houston, 1975.
- Venus, Carol A.**, *Assistant Professor of Surgery.* (1986)  
B.S., Loyola University of Chicago, 1973; M.A., Vanderbilt University, 1975; Ph.D., Northwestern University, 1983.
- Verdonk, Carlos A.**, *Professor of Internal Medicine.* (1981)  
B.S., Universite Notre-Dame de la Paix, 1969; M.D., Rijksuniversiteit Gent(R.U.J.), 1973; M.S., University of Minnesota, 1983.
- Verheyden, Charles N.**, *Professor of Surgery.* (1981)  
B.A., University of Texas, 1968; Ph.D., University of Texas Medical Branch, 1973; M.D., University of Texas Medical Branch, 1973.
- Villamaria, Frank J.**, *Assistant Professor of Anesthesiology.* (1989)  
B.S., Pittsburg State University, 1977; M.D., University of Kansas School of Medicine, 1980.
- Villarreal, Roque, II**, *Assistant Professor of Family and Community Medicine.* (1991)  
B.A., University of Texas at Austin, 1984; M.D., University of Texas Health Science Center, 1988.
- Wagner, Jackson W.**, *Professor of Human Anatomy and Medical Neurobiology.* (1974, 1989)  
A.B., Fresno State College, 1957; Ph.D., University of California, San Francisco, 1960; M.D., Baylor College of Medicine, 1973.
- Wagner, Thomas J.**, *Assistant Professor of Family and Community Medicine.* (1993)  
B.S., University of Texas at Austin, 1986; M.D., University of Texas Medical School at Houston, 1990.
- Wajima, Takeshi**, *Professor of Internal Medicine.* (1984, 1992)  
B.S., Kanazawa Pharmaceutical College, 1952; M.D., University of Kanazawa School of Medicine, 1960; Ph.D., Yamaguchi Medical School, 1965.
- Walker, Stephen C.**, *Assistant Professor of Internal Medicine.* (1986)  
B.S., North Texas State University, 1977; M.D., University of Texas Medical School at Houston, 1983.
- Wallace, Tracy I.**, *Professor Emeritus of Internal Medicine.* (1977, 1993)  
B.S., University of Kentucky, 1946; M.D., University of Cincinnati College of Medicine, 1949.
- Walsh, Ronald E.**, *Professor of Internal Medicine and of Anesthesiology.* (1979, 1989)  
B.S., Bowling Green State University, 1957; M.D., Ohio State University College of Medicine, 1961.
- Ward, William E.**, *Professor of Medical Physiology and Director of Learning Resources.* (1975, 1991)  
A.B., Ohio University, 1950; M.A., Duke University, 1952; Ph.D., Kent State University, 1967.
- Wardell, Ferman**, *Instructor in Surgery.* (1986)  
B.S., University of Texas, 1974; M.A., University of Texas, 1976.
- Warner, Michael R.**, *Associate Professor of Surgery.* (1988)  
B.A., Abilene Christian University, 1977; M.S., Abilene Christian University, 1978; D.D.S., University of Texas Health Science Center, 1982; Ph.D., Southwestern University, 1985.

- Wasser, Jeremy S.**, *Assistant Professor of Medical Physiology*. (1993)  
M.S., University of Florida, 1979; Ph.D., Indiana University, 1985.
- Watson, Linley E.**, *Professor of Internal Medicine*. (1979)  
B.S., University of Kansas, 1962; M.D., University of Kansas School of Medicine, 1966.
- Waxman, Jeffrey A.**, *Assistant Professor of Surgery*. (1988)  
B.S., Yale University, 1976; M.D., University of Texas Health Science Center, 1980.
- Way, James L.**, *Professor of Medical Pharmacology and Toxicology*. (1982, 1983)  
B.S., University of California, Berkeley, 1951; Ph.D., George Washington University, 1955.
- Weber, Robert A., Jr.**, *Assistant Professor of Surgery*. (1994)  
B.S.E., University of Pennsylvania, 1984; M.D., Texas A&M University Health Science Center, 1988.
- Weed, John M., III**, *Clinical Associate Professor of Family and Community Medicine*. (1981)  
B.A., Texas Tech University, 1968; M.D., University of Texas Medical Branch, 1972.
- Weinblatt, Jack S.**, *Clinical Associate Professor of Family and Community Medicine*. (1982)  
M.D., Baylor College of Medicine, 1951.
- Weinblatt, James S.**, *Clinical Assistant Professor of Internal Medicine*. (1982)  
B.S., University of Texas, 1975; M.D., University of Texas Health Science Center, 1979.
- Weir, Michael R.**, *Professor of Pediatrics*. (1993, 1994)  
M.D., University of Texas Medical Branch, 1969.
- Weiss, Barbara A.**, *Assistant Professor of Internal Medicine*. (1991)  
B.S., Baylor University, 1982; M.D., Texas A&M University Health Science Center, 1986.
- Welch, Thomas K.**, *Assistant Professor of Family and Community Medicine*. (1993)  
B.S., Stephen F. Austin State University, 1985; M.D., University of Texas Medical School at Houston, 1990.
- Weldon, David R.**, *Assistant Professor of Internal Medicine*. (1989)  
B.S., University of Texas at Arlington, 1979; M.D., Texas Tech University Health Science Center, 1984.
- Wells, Lawrence H.**, *Clinical Assistant Professor of Family and Community Medicine*. (1985)  
B.S., Texas A&M University, 1977; M.D., University of Texas Health Science Center, 1980.
- West, James R.**, *Professor and Head of Human Anatomy and Medical Neurobiology*. (1993)  
B.A., Wichita State University, 1971; Ph.D., University of California, Irvine, 1975.
- Westblom, Tore Ulf Goran**, *Professor of Internal Medicine*. (1995)  
M.D., Karolinska Institute, Soderjukhust, 1978.
- Westwick, Thomas J.**, *Assistant Professor of Internal Medicine*. (1991)  
B.S., Florida State University, 1982; M.D., University of Florida College of Medicine, 1985
- White, Joseph G.**, *Associate Professor of Internal Medicine*. (1987)  
B.S., Texas A&M University, 1980; M.D., Texas A&M University Health Science Center, 1982.
- White, Raleigh R., IV**, *Professor of Surgery*. (1979)  
B.A., Southern Methodist University, 1963; M.D., University of Pennsylvania School of Medicine, 1967.
- Wick, Lori L.**, *Assistant Professor of Pediatrics*. (1994)  
B.A., Cornell University, 1981; M.S., Texas A&M University, 1985; M.D., Texas A&M University Health Science Center, 1987.
- Wied, Keith A.**, *Instructor in Internal Medicine*. (1994)  
B.S., Southwest Texas State University, 1985; D.O., University of North Texas, 1991.
- Wilkerson, Mark H.**, *Clinical Assistant Professor of Surgery*. (1990)  
B.S., Texas A&M University, 1981; M.D., University of Texas Southwestern Medical School, 1985.
- Wilkinson, James T.**, *Associate Professor of Internal Medicine*. (1981)  
B.S., Lamar University, 1972; M.D., University of Texas Medical Branch, 1976.
- Williams, Charlie D.**, *Assistant Professor of Pediatrics*. (1993)  
M.D., Texas A&M University Health Science Center, 1984.
- Williams, Kathleen F.**, *Assistant Dean for Student Affairs and Assistant Professor of Internal Medicine*. (1985, 1995)  
M.D., University of Texas Medical Branch, 1978.



- Williams, Troy H.,** *Professor of Internal Medicine.* (1983)  
B.S., Virginia Military Institute, 1960; M.D., Virginia Medical College, 1964.
- Willie, Glen R.,** *Associate Professor of Internal Medicine.* (1991)  
B.A., University of Chicago, 1969; M.D., University of Minnesota Medical School - Minneapolis, 1976;  
M.S., University of Minnesota, 1976.
- Willoughby, Frederick W.,** *Assistant Professor of Psychiatry and Behavioral Science.* (1991)  
B.S., University of Alabama, 1977; M.S., University of Tennessee at Knoxville, 1981; Ph.D., Texas Tech University, 1985.
- Wilson, Van G.,** *Associate Professor of Medical Microbiology and Immunology.* (1983, 1989)  
B.S., Georgia Institute of Technology, 1975; Ph.D., Case Western Reserve University, 1980.
- Wincek, Thomas J.,** *Associate Professor of Obstetrics and Gynecology.* (1984)  
B.S., University of Minnesota, 1970; Ph.D., University of Utah, 1974; M.D., Washington University School of Medicine, 1977.
- Windisch, Thomas R.,** *Instructor in Radiology.* (1994)  
B.A., Johns Hopkins University, 1986; M.D., Texas A&M University Health Science Center, 1991.
- Winn, Richard E.,** *Professor of Internal Medicine.* (1995)  
B.S., U.S. Air Force Academy, 1972; M.D., University of Arizona Health Science Center, 1975.
- Wiprud, Robert M., Jr.,** *Assistant Professor of Family and Community Medicine.* (1988)  
B.S., College of Great Falls, 1976; M.D., Creighton University School of Medicine, 1980.
- Womack, James E.,** *Professor of Medical Biochemistry and Medical Genetics.* (1991)  
B.S., Abilene Christian University, 1964; Ph.D., Oregon State College, 1968.
- Wong, Lucas,** *Assistant Professor of Internal Medicine.* (1994)  
B.S., University of Texas at Austin, 1984; M.D., University of Texas at San Antonio, 1988.
- Woods, Bryan T.,** *Professor of Internal Medicine and of Psychiatry and Behavioral Science.* (1993, 1994)  
B.A., University of Notre Dame, 1958; M.D., University of Virginia Health Science Center, 1967.
- Worchel, B. Jason,** *Assistant Professor of Psychiatry and Behavioral Science.* (1993)  
B.A., University of Texas, 1971; M.D., University of Texas Southwestern Medical School, 1975.
- Wright, Paul A.,** *Assistant Professor of Surgery.* (1990)  
B.A., Kansas State University, 1964; M.D., University of Kansas, 1968.
- Wright, Steven M.,** *Associate Professor of Radiology.* (1989, 1995)  
B.S., University of Illinois at Urbana-Champaign, 1980; M.S., University of Illinois at Urbana-Champaign, 1981; Ph.D., University of Illinois at Urbana-Champaign, 1984.
- Wu, Guoyao,** *Assistant Professor of Medical Physiology.* (1995)  
Ph.D., University of Alberta, 1989.
- Wu, Hou S.,** *Assistant Professor of Family and Community Medicine.* (1983)  
M.D., National Taiwan University College of Medicine, 1970.
- Wu, Wai Chee,** *Assistant Professor of Radiology.* (1988)  
B.S., University of Chicago, 1954; M.D., Northwestern University Medical School, 1958.
- Wurster, John C.,** *Assistant Professor of Surgery.* (1991)  
B.A., Lawrence University, 1960; M.D., Northwestern University Medical School, 1964.
- Wuthrich, Paul W.,** *Clinical Assistant Professor of Surgery.* (1992, 1993)  
B.S., Texas A&M University, 1987; M.D., Texas A&M University Health Science Center, 1989.
- Yandell, Paul M.,** *Assistant Professor of Obstetrics and Gynecology.* (1988)  
B.S., New Mexico State University, 1974; M.S., New Mexico State University, 1977; M.D., University of New Mexico, 1984.
- Yeleti, Venkata R.,** *Assistant Professor of Anesthesiology.* (1993, 1994) .

- Young, Keith A.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1990, 1994)  
B.S., Baylor University, 1981; M.S., University of Texas at Austin, 1986; Ph.D., University of Texas at Austin, 1990.
- Yuan, Yuan**, *Assistant Professor of Surgery and of Medical Physiology.* (1990, 1994)  
M.D., First Military Medical College, 1983; Ph.D., Second Military Medical College, 1993.
- Zaphiris, Helen A.**, *Assistant Professor of Psychiatry and Behavioral Science.* (1994)  
M.D., Texas A&M University Health Science Center, 1986.
- Zawieja, David C.**, *Assistant Professor of Medical Physiology.* (1986, 1991)  
B.S., University of Wisconsin, 1978; Ph.D., Medical College of Wisconsin, 1986.
- Zimmerman, Robert O.**, *Instructor in Internal Medicine.* (1993)  
M.D., University of Texas Medical School at Houston, 1991.
- Zirl, Robert S.**, *Clinical Assistant Professor of Pathology and Laboratory Medicine.* (1991)  
M.D., University of Texas Medical Branch, 1982.
- Zivney, Ben S.**, *Clinical Assistant Professor of Obstetrics and Gynecology.* (1994)  
B.S., Baylor University, 1984; M.D., University of Texas Health Science Center, 1988.
- Zurita, V. Franz**, *Instructor in Internal Medicine.* (1992)  
B.S., Loyola University of Chicago, 1985; M.D., University of Texas Medical School at Houston, 1989.



# Students

## Postgraduate Appointments for the Class of 1996

**Airhart, Jim B.;** B.A., Texas A&M University, 1992.

Residency: Psychiatry, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Albritton, Ford D., IV;** Texas A&M University, No Degree.

Residency: Otolaryngology, Emory University, Atlanta, Georgia.

**Arnau, Catherine;** B.A., University of Texas at Austin, 1991.

Residency: Obstetrics/Gynecology, University of Oklahoma College of Medicine, Oklahoma City, Oklahoma.

**Baquero, Jeannie;** B.S., Texas A&M University, 1992.

Residency: Internal Medicine, Brooke Army Medical Center, San Antonio, Texas.

**Chen, Philip Kuan Wen;** B.S., University of Pennsylvania, 1992.

Residency: General Surgery-Pre, Texas Tech, El Paso, Texas

**Davis, Jad L.;** B.S., Stephen F. Austin State University, 1992.

Residency: Pathology, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Dickie, Mark H.;** B.S., Texas A&M University, 1991.

Residency: Family Practice, Travis Air Force Base, California.

**Dunfee, William R.;** B.S., University of the South, 1991.

Residency: Radiology, DX, Baylor University Medical Center, Dallas, Texas.

**DuPont, Jessica;** B.S., Southwestern University, 1991.

Residency: Emergency Medicine, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Ellis, Christopher J.;** B.S., Texas A&M University, 1991.

Residency: Internal Medicine, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Ferguson, Charles E.;** B.A., Texas A&M University, 1992.

Residency: Family Practice, University of Texas Health Science Center, Tyler, Texas.

**Fisch, Jason P.;** B.S., Texas A&M University, 1992.

Residency: Family Practice, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Gonzalez, Dagoberto I., Jr.;** B.S., Texas A&M University, 1992.

Residency: Obstetrics/Gynecology, Willford Hall Air Force Base, San Antonio, Texas.

**Gore, Garry L.;** B.S., Texas A&M University, 1984.

Residency: Emergency Medicine, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Guerra, Rebecca M.;** B.A., Rice University, 1992.

Residency: Obstetrics/Gynecology, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Harris, Caleb H.;** B.A., Rice University, 1992.

Residency: General Surgery, University of Kansas, School of Medicine, Wichita, Kansas.

**Hays, Tracy D.;** B.S., Texas A&M University, 1992.

Residency: Obstetrics/Gynecology, Baylor University Medical Center, Dallas, Texas.

**Heston, Pamela C.;** B.S., University of Houston, 1992.

Residency: Family Practice, St. Elizabeth Medical Center, Edgewood, Kentucky.

**Kelly, Adrienne M.;** B.S., Texas A&M University, 1991.

Residency: Family Practice, Duke University Medical Center, Durham, North Carolina.

**Lamar, Michael E.;** B.S., Texas A&M University, 1987; M.A., University of Texas at Austin, 1990.  
Residency: Obstetrics/Gynecology, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Lancaster, Amy R.;** B.S., Stephen F. Austin State University, 1992.  
Residency: Pediatrics, University of Cincinnati Hospital, Ohio.

**Lemmond, Keri L.;** B.S., Stephen F. Austin State University, 1990.  
Residency: Psychiatry, Brown University, Providence, Rhode Island.

**Liggan, Deborah, Y.;** B.A., State University of New York, Albany, 1982; M.A., Webster University, Missouri, 1985.  
Residency: Psychiatry, Wright-Patterson Air Force Base, Dayton, Ohio.

**Lopez, Lisa M.;** B.S., Tarleton State University, 1992.  
Residency: Pathology, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Makoske, Theodore A.;** University of Texas at Austin, No Degree.  
Residency: General Surgery-Pre, Pennsylvania Hospital, Philadelphia, Pennsylvania.

**McNeal, Catherine;** B.A., Texas A&M University, 1976; Ph.D., Texas A&M University, 1980.  
Residency: Medicine/Pediatrics, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Merritt, Daniel B.;** B.S., Southwestern University, 1990.  
Residency: Urology, University of Oklahoma College of Medicine, Oklahoma City, Oklahoma.

**Morgan, Garth;** B.S., Texas A&M University, 1988; M.P.H., University of Texas School of Public Health, 1990.  
Residency: General Surgery-Pre, University of Oklahoma College of Medicine, Tulsa, Oklahoma.

**Nelson, Darren L.;** B.S., Texas A&M University, 1991.  
Residency: Emergency Medicine, University Medical Center, East Carolina-Pitt, Greenville, North Carolina.

**Nguyen, Khanh T. T.;** B.S., Southern Methodist University, 1992.  
Residency: Internal Medicine, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Niedermeier, Valery A.;** B.S., University of Southern California, 1991.  
Residency: Pediatrics, University of South Florida College of Medicine, Tampa, Florida.

**Nisimblat, Erik;** B.S., Texas A&M University, 1992.  
Residency: Pediatrics, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Overmyer, Pamela A.;** B.S., Texas A&M University, 1992.  
Residency: Internal Medicine, Kessler Air Force Base, Biloxi, Mississippi.

**Peet, John J.;** B.A., University of Texas at Austin, 1992.  
Residency: Obstetrics/Gynecology, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Pirinelli, Jeffrey J.;** B.S., Southern Methodist University, 1990.  
Residency: General Surgery-Pre, Mayo Grad School of Medicine, Rochester, Minnesota.

**Potter, Michael B.;** B.A., University of Virginia, 1991.  
Residency: Family Practice, Riverside Regional Medical Center, Newport News, Virginia.

**Rivers, Thomas B.;** B.S., Texas A&M University, 1992.  
Residency: General Surgery-Pre, Methodist Hospital, Dallas, Texas.

**Schroeder, Denise K.;** B.S., Mount Marty College, South Dakota, 1986.  
Residency: Radiology, DX, Baylor University College of Medicine, Dallas, Texas.

**Seabolt, Brian R.;** Texas A&M University, No Degree.  
Residency: Orthopedics, University Hospital, Jackson, Mississippi.

**Sligh, Teresa S.;** B.S., University of New Mexico, 1987.  
Residency: Internal Medicine, Presbyterian Hospital, Dallas, Texas.

**Taylor, Jason G.;** B.E., Vanderbilt, 1992.  
Residency: Internal Medicine, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Tindall, Bronson S.;** Texas A&M University, No Degree.

Residency: Radiology, DX, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Tindall, Leah;** B.S., Texas A&M University, 1992.

Residency: Internal Medicine, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Turell, David C.;** B.A., Washington University at St. Louis, 1992.

Residency: Medicine/Pediatrics, Orlando Regional Healthcare Systems, Orlando, Florida.

**Vazquez, Noemi;** B.S., University of Houston, 1992.

Residency: Family Practice, University of Texas Health Science Center, San Antonio, Texas.

**Verma, Neeta;** B.S., Baylor University, 1992.

Residency: Family Practice, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

**Waguespack, Jeffrey W.;** Texas A&M University, No Degree.

Residency: Family Practice, LSU School of Medicine, Shreveport, Louisiana.

**Wehner, Margaret S.;** B.S., University of Houston, 1990.

**Winnie, Michael G.;** B.S., Corpus Christi State University, 1990.

Residency: Internal Medicine-Pre, Internal Medicine, Texas A&M College of Medicine, Scott & White Memorial Hospital, Temple, Texas.

## **Class of 1997**

**Anderson, C. Erik;** Fairport, New York. B.A., Trinity University, 1993.

**Boyne, Robert L.;** Houston. University of Houston, No Degree.

**Bruning, Karla V.;** Livingston. B.S., Sam Houston State University, 1991.

**Castles, Shelly L.;** Billings, Montana. B.S., Trinity University, 1989.

**Charleston, Warren H.;** Beaumont. B.A., Baylor University, 1993.

**Chavez, Allyson A.;** Corpus Christi. B.S., Iowa State University, 1993.

**Daftarian, Arezu;** Houston. B.A., University of Texas at Austin, 1993.

**Davis, Brent O.** Conroe. B.S., Texas A&M University, 1993.

**Ellis, Keith W.;** Tulsa, Oklahoma. B.S., University of Tulsa, 1983; M.S., Texas A&M University, 1987.

**Frederick, Robert W.;** El Paso. B.S., Texas Christian University, 1993.

**Graham, Ted A.;** Garland. B.S., Texas A&M University, 1986.

**Helpert, Christopher A.;** Waco. B.S., Texas A&M University, 1991.

**Hewitt, Mary F.;** Highlands. B.S., Houston Baptist University, 1991.

**Jayaprabhu, Sudheer;** Bedford. B.S., Dallas Baptist University, 1993.

**Laesch, Pamela S.;** Mundelein, Illinois. B.S., University of Illinois, 1992.

**Kelley, Michael D.;** Houston. B.B.A., Abilene Christian University, 1988; M.S., Finch University, 1993.

**Landherr, Kathryn M.;** Temple. B.J., University of Texas at Austin, 1988.

**Lange, Rodney R.;** Bellville. B.S., Texas A&M University, 1992.

**Lucas, James B., II.;** San Antonio. B.S., Texas A&M University, 1993.

**Madrigal, Juliette M.,** Farmers Branch. B.S., University of Texas at Austin, 1990.

**Mettauer, Mark M.;** Center. B.A., Texas A&M University, 1993.

**Monroe, Cynthia L.;** Lake Charles, Louisiana. B.S., Texas A&M University, 1992.

**Moore, Andrew E.;** Brownwood. B.S., USAF Academy, 1993.

**Myers, John D.;** Temple. B.S., Southwestern University. 1993.

**Ralston, Shawn L.;** Brackettville. B.A., Texas Tech University, 1988;

M.A., University of Texas at Austin, 1991.

**Razi, Salman S.;** Fort Worth. University of Texas at Arlington, No Degree.

**Renazzo, Marco A.;** Houston. B.A., University of Texas at Austin, 1991.

**Rutledge, Teresa L.;** Irving. B.S., Texas A&M University, 1992.

**Samples, Steve M.;** Houston. B.S., North Georgia College, 1975; M.S., University of Georgia, 1982.

**Schmidt, Nicole M.;** San Antonio. B.S., Texas A&M University, 1995.

**Shelton, John B.;** Weatherford. B.S., Southern Arkansas University, 1993.  
**Simmons, Nelson X.;** San Antonio. B.S., St. Mary's University, 1992.  
**Singh, Harvinderpal;** Houston. B.S., University of Rochester, 1992.  
**Smart, Kenneth R.;** DeSoto. B.S., Texas A&M University, 1991.  
**Smith, Benjamin L.;** Blackwell. B.S., Angelo State University, 1993.  
**Strittmatter, Marla A.;** Lampassas. B.S., Texas A&M University, 1993.  
**Swafford, Stephanie P.;** Tomball. B.S., Southwestern University, 1993.  
**Tadvick, Joseph L.;** The Woodlands. B.S., Texas A&M University, 1993.  
**Teaford, Andrew W.;** Temple. B.S., Stanford University, 1991.  
**Thomas, Susan D.;** Waco. B.A., Ambassador College, 1987; M.C.G., Baylor University, 1993.  
**Van Cleave, Holly A.;** San Antonio. B.A., University of Texas at Austin, 1992.  
**Welton, Scott T.;** Dallas. B.S., Texas A&M University, 1993.  
**Woods, Michael S.;** Conroe. B.S., Southwestern University, 1993.  
**York, Andrea L.;** Atlanta. B.S., Texas A&M University, 1993.  
**York, Gregory B.;** Mesquite. B.S., Texas A&M University, 1983.  
**Youngblood, Tonya J.;** Fort Worth. B.S., Texas A&M University, 1995.

## **Class of 1998**

**Annamalai, Valliammai R.;** Katy. B.A., Texas A&M University, 1993.  
**Bauerschlag, Jason R.;** Floresville. B.S., Texas A&M University, 1994.  
**Bhattacharjee, Soma;** Austin. B.S., Texas A&M University, 1994.  
**Bouffard, Carrie A.;** Lubbock. B.A., Texas A&M University, 1994.  
**Burgess, Henry E.;** Ingleside. B.S., Corpus Christi State University, 1993.  
**Canney, Donna H.;** LaMarque. B.S., University of Houston at Clearlake, 1978; Ph.D.,  
 Cornell University, 1988.  
**Cantu, Rodrigo D.;** Edinburg. B.S., Texas A&M University, 1994.  
**Caro, Robert E.;** San Antonio. B.S., Texas A&M University, 1994.  
**Cochran, Amalia L.;** Arlington. B.A., Texas A&M University, 1989; M.A., University of Colorado, 1991.  
**Coco, Claire M.;** Moreauvine, Louisiana. B.S., Louisiana State University, 1990; M.S., Texas A&M  
 University, 1992.  
**Cooley Jr., Joe P.;** Houston. B.S., Texas A&M University, 1994.  
**Cowles, Jan A.;** Dallas. B.A., Austin College, 1990; M.S., University of Texas at Dallas, 1993.  
**Decker, Jason E.;** Texas City. B.S., Texas A&M University, 1994.  
**Del Castillo, Sylvia L.;** Brownsville. B.A., Texas A&M University, 1992.  
**Dickson, Jennifer D.;** Greenville. B.A., Baylor University, 1994.  
**Ghuri, Rana;** Houston. B.A., University of Texas at Austin, 1993.  
**Guerra, Sandra L.;** Mission. B.S., University of Texas at Austin, 1993.  
**Gunter, Amelia A.;** Everman. B.S., Texas Wesleyan College, 1991.  
**Hammit, Mathew D.;** Conroe. B.A., Texas A&M University, 1994.  
**Harrell, Amy L.;** Austin. B.S., Texas A&M University, 1994.  
**Hurd, Cheryl L.;** Mesquite. B.A., Southern Methodist University, 1990; M.A., Southern Methodist  
 University, 1991.  
**Johnson, James E.;** Fannett. B.S., Stephen F. Austin University, 1994.  
**Jones, Christopher R.;** Tyler. B.S., Texas A&M University, No Degree.  
**Kim, Chang H.;** Houston. B.A., University of California at Berkeley, 1993.  
**Kohl, Belinda M.;** Houston. B.S., Texas A&M University, 1994.  
**Konvicka, Jennifer M.;** Stephenville. B.S., Tarleton State University, 1993.  
**Koo, Hyunmo L.;** Houston. B.A., University of Texas at Austin, 1993.  
**Loran, David B.;** Anchorage, Alaska. B.S., Colorado State University, 1994.  
**Mabery, Jared B.;** Tolar. B.S., Texas Christian University, 1994.  
**McLean, Robert C.;** Houston. B.A., Rice University, 1983; Ph.D., Duke University, 1990.  
**Meza, Carlos A.;** Port Arthur. B.A., University of Texas at Austin, 1994.

**Mills, Robert N.;** Alvarado. B.S., University of Texas at Arlington, 1993.  
**Mitchell, Michael J.;** Houston. B.A., Texas A&M University, 1994.  
**Moffitt, Michael J.;** Wellborn. B.S., Ohio State University, 1973; Ph.D., Ohio State University, 1979.  
**Morris, Craig J.;** San Antonio. B.S., Texas A&M University, 1994.  
**Nguyen, Michael H.;** Austin. B.S., University of Texas at Austin, 1994.  
**Paull, Keith J.;** College Station. B.S., Texas A&M University, 1994.  
**Reust, Daryl L.;** Wichita, Kansas. B.S., Kansas State University, 1985.  
**Richardson Jr., John W.;** Arlington. B.S., Texas A&M University, 1995.  
**Smith, Sherri L.;** Howe, Indiana. B.S., University of North Texas, 1994.  
**Strange, Chad D.;** Comanche. B.A., Hardin-Simmons University, 1993.  
**Thomas, Jimmy S.;** Temple. B.S., Texas A&M University, 1994.  
**Tong, Carl W.;** Houston. B.S., Texas A&M University, 1985; M.S., Air Force Institute of Technology, 1986.  
**Vierkant, Ariana S.;** Jacksonville. B.S., University of Texas at Tyler, 1994.  
**Vo, Tommy C.;** Houston. B.S., University of Houston, 1994.  
**Warren, Julia G.;** Friona. B.S., Texas A&M University, 1994.  
**Weiss, Edward C.;** Dallas. B.A., University of Texas at Austin, 1994.  
**Weksler, Juan E.;** San Antonio. B.A., University of Texas at Austin, 1994.  
**Wiegrefe, Dawn M.;** Austin. B.S., Texas Womans University, 1994.  
**Won, Christine H.;** San Antonio. B.A., Wellesley College, 1994.  
**Zapata, Maria-Isabel;** Houston. B.S., Southwestern University, 1994.

## Class of 1999

**Allemand, Michael;** Clear Lake City. B.S., Texas A&M University, 1995.  
**Appel, Carin C.;** Temple. B.S., Texas A&M University, 1995.  
**Badgwell, Brian D.;** Wichita Falls. B.S., Texas A&M University, 1995.  
**Banzon, Jennifer A.;** Upper Saddle River, NJ. B.A., Barnard College, 1988; Ph.D., Texas A&M University, 1995.  
**Bradburn, Eric W.;** Dripping Springs. B.S., Brigham Young University, 1994.  
**Brooks, Wendy;** Carrollton. B.A., Texas A&M University, 1994.  
**Cable, Christian T.;** Marble Falls. B.S., Oral Roberts University, 1995.  
**Case, Cynthia M.;** Arlington. B.S., Texas A&M University, 1995.  
**Cearley, David M.;** Ft. Worth. B.A., Texas Christian University, 1994.  
**Comin, Georgina A.;** Fort Worth. B.A., Texas A&M University, 1993.  
**Connell, Laura E.;** Belton. Texas A&M University.  
**Corrington, Kip A.;** College Station. B.A., Texas A&M University, 1987; M.S., Texas A&M University, 1994.  
**Cunningham, Amy L.;** San Antonio. B.S., St. Mary's University, 1995.  
**Dao, Linh D.;** Dallas. B.S., University of Rochester, 1994.  
**De Los Santos, Wendy L.;** Premont., Texas A&M University-Kingsville.  
**Do, Huy T.;** Houston. B.S., Texas A&M University, 1995.  
**Drew, Eric C.;** Longview. B.S., Southwestern University, 1995.  
**Dudley, Samuel W.;** Houston. B.S., Texas Christian University, 1995.  
**Dupont, Nefertiti C.;** Houston. B.A., University of Virginia, 1995.  
**Fritcher, Seth H.;** Tyler. B.S., Texas A&M University, 1995.  
**Garrett, Michael S.;** Midland. B.S., United States Air Force Academy, 1995.  
**Gomez Elizabeth M.;** San Antonio. B.S., Texas A&M University, 1995.  
**Holub, Michaelanne J.;** El Campo. B.S., Texas A&M University, 1994.  
**Hopkins, Matthew V.;** Richardson. B.A., University of Texas, 1990.  
**Huang, Li-Yu.;** Angelton. B.A., Johns Hopkins University, 1993; M.H.S., Johns Hopkins School of Hygiene & Public Health, 1995.  
**Jacobsen, James C.;** Southlake. B.S., Texas Christian University, 1994.  
**Joseph, Raymond S. Jr.;** Austin. B.S., University of Texas, 1995.  
**Khan, Mohammed M.;** Houston. B.S., University of Houston, Downtown, 1993.



**Knoop, Kristopher, D.;** College Station. B.S., Texas A&M University, 1995.  
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**Mason, Christopher N.;** Mount Pleasant. B.S., Texas A&M University, 1994.  
**May, Gregory A.;** San Antonio. B.S., Texas A&M University, 1995.  
**McFadden, Michael D.;** Lebanon, TN. B.E.E., Auburn University, 1989.  
**Monnat, Paula M.;** Friendswood. B.A., University of Texas, 1991; B.S., University of Texas, 1994.  
**Moseman, Scott E.;** Houston. B.S., University of Tulsa, 1995.  
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**Nguyen, Nhu Q.;** Houston. B.S., University of Houston, 1992.  
**Paladugu, Babu R.;** Beaumont. B.S., Lamar University, 1994; M.S., University of South California, 1981.  
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**Ponce de Leon, Marcus C.;** Laredo. B.S., Unites States Military Academy, 1995.  
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## **Class of 2000**

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 MS, Texas A&M University, 1994  
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**Saenz, Christopher W.;** Sugar Land. BBA, Texas A&M University, 1992  
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**Vuong, Madelyn P.;** Houston. BS, Texas A&M University, 1995  
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**Whiteside, James H.;** Lubbock. BA, Washington & Lee, 1995  
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**Williams, Lara J.;** Houston. BA, Rice University, 1996  
**Yu, Chi Y.;** Richardson. BS, University of Texas-Austin, 1995

# Academic Calendar

The College of Medicine reserves the right to change the Academic Calendar at any time

## Texas A&M University College of Medicine

### Academic Calendar For M-1 and M-2 Students: 1996-97, College Station Campus

#### M-1 Students

##### Fall Semester 1996

August 5-9	Orientation.
August 12	Classes begin.
November 25-29	<i>Thanksgiving Holiday.</i>
December 13	Last day of classes.
December 16-20	Fall Semester final examinations.
December 23-January 3, 1997	<i>Holidays.</i>

##### Spring Semester 1997

January 6	First day of classes.
January 20	<i>Martin Luther King Holiday.</i>
March 10-14	<i>Spring Holidays.</i>
May 9	Last day of classes.
May 12-16	Spring Semester final examinations.

#### M-2 Students

##### Fall Term 1996

August 26	First day of classes.
November 15	Last day of classes.
November 18-22	Fall Term final examinations.
November 25-29	<i>Thanksgiving Holiday.</i>

##### Winter Term 1996

December 2	First day of classes.
December 23-January 3, 1997	<i>Holidays.</i>
January 6	Classes resume.
January 20	<i>Dr. Martin Luther King Holiday.</i>
February 28	Last day of classes.
March 3-7	Winter Term final examinations.
March 10-14	<i>Spring Break.</i>

**Spring Term 1997**

March 17

First day of classes.

May 16

Last day of classes.

May 19-23

Spring Term final examinations.

May 26-30

Optional USMLE prep week.

**Academic Calendar For M-3: 1996-97  
Class of 1998****Week     Date (First Day)****Week     Date (First Day)****Orientation/ACLS**

---

0.        June 24, 1996

1.        July 1

2.        July 8

3.        July 15

4.        July 22

5.        July 29

6.        August 5

**End of 6 Week Clerkships**

---

7.        August 12

8.        August 19

9.        August 26

10.       September 2

11.       September 9

12.       September 16

**End of 6 and 12 Week Clerkships**

---

13.       September 23

14.       September 30

15.       October 7

16.       October 14

17.       October 21

18.       October 28

**End of 6 Week Clerkships**

---

19.       November 4

20.       November 11

21.       November 18

22.       November 25

23.       December 2

24.       December 9

**End of 6 and 12 Week Clerkships**

---

25.       December 16-Vacation Week

26.       December 23-Vacation Week

27.       December 30, 1996

28.       January 6

29.       January 13

30.       January 20

31.       January 27

32.       February 3

**End of 6 Week Clerkships**

---

33.       February 10

34.       February 17

35.       February 24

36.       March 3

37.       March 10

38.       March 17

**End of 6 and 12 Week Clerkships**

---

39.       March 24

40.       March 31

41.       April 7

42.       April 14

43.       April 21

44.       April 28

**End of 6 Week Clerkships**

---

45.       May 5

46.       May 12

47.       May 19

48.       May 26

49.       June 2

50.       June 9

**End of 6 and 12 Week Clerkships  
and end of the academic year**

## Academic Calendar For M-4: 1996-97 Class of 1998

Module	Week	Date (Monday)
Vacation (Optional)	1.	June 17, 1996
I.	2.	June 24
	3.	July 1
	4.	July 8
	5.	July 15
	II.	6.
7.		July 29
8.		August 5
9.		August 12
10.		August 19
<b>Becoming a Clinician</b> (Biostat./Epi./Humanities/Jurisprudence)		
	11.	August 26
<b>USMLE Step 2</b> (USMLE August 27 & 28)		
III.	12.	September 2
	13.	September 9
	14.	September 16
	15.	September 23
	IV.	16.
17.		October 7
18.		October 14
19.		October 21
V.		20.
	21.	November 4
	22.	November 11
	23.	November 18
	VI.	24.
25.		December 2
26.		December 9
27.		December 16

Module	Week	Date (Monday)
Vacation	28.	December 23
VII.	29.	December 30
	30.	January 6, 1997
	31.	January 13
	32.	January 20
	VIII.	33.
34.		February 3
35.		February 10
36.		February 17
<b>BECOMING A CLINICIAN</b> (Jurisprudence/ACLS)		
	37.	February 24
	38.	March 3
(Retake USMLE: Step 2 March 4 & 5)		
IX.	39.	March 10
	40.	March 19 (Match Week)
	41.	March 24
	42.	March 31
	X.	43.
44.		April 14
45.		April 21
46.		April 28
XI.		47.
	48.	May 12
	49.	May 19
	50.	May 26
	<b>Graduation</b>	

# **Academic Calendar For M-1 and M-2 Students: 1997-98, College Station Campus (Tentative Schedule)**

## **M-1 Students**

### **Fall Semester 1997**

August 4-8	Orientation.
August 11	Classes begin.
November 24-28	<i>Thanksgiving Holiday.</i>
December 12	Last day of classes.
December 15-19	Fall Semester final examinations.
December 22-January 2, 1998	<i>Holidays</i>

### **Spring Semester 1998**

January 5	First day of classes.
January 19	<i>Martin Luther King Holiday.</i>
March 16-20	<i>Spring Holidays.</i>
May 8	Last day of classes.
May 11-15	Spring Semester final examinations.

## **M-2 Students**

### **Fall Term 1997**

August 25	First day of classes.
November 14	Last day of classes.
November 17-21	Fall Term final examinations.
November 24-28	<i>Thanksgiving Holiday.</i>

### **Winter Term 1997-98**

December 1	First day of classes.
December 22-January 2, 1998	<i>Holiday.</i>
March 6	Last day of classes.
March 9-13	Winter Term final examinations.
March 16-20	<i>Spring Break.</i>

### **Spring Term 1998**

March 23	First day of classes.
May 22	Last day of classes.
May 25-29	Spring Term final examinations.
June 1-5	<i>Optional USMLE Prep Week.</i>

**\*These dates are not finalized.**

## Academic Calendar For M-3: 1997-98 Class of 1998

<b>Week</b>	<b>Date (First Day)</b>	<b>Week</b>	<b>Date (First Day)</b>
<b>Orientation/ACLS</b>		<b>Orientation/ACLS</b>	
0.	June 23, 1997	27.	December 29, 1997
1.	June 30	28.	January 5
2.	July 7	29.	January 12
3.	July 14	30.	January 19
4.	July 21	31.	January 26
5.	July 28	32.	February 2
6.	August 4		
<b>End of 6 Week Clerkships</b>		<b>End of 6 Week Clerkships</b>	
7.	August 11	33.	February 9
8.	August 18	34.	February 16
9.	August 25	35.	February 23
10.	September 1	36.	March 2
11.	September 8	37.	March 9
12.	September 15	38.	March 16
<b>End of 6 and 12 Week Clerkships</b>		<b>End of 6 and 12 Week Clerkships</b>	
13.	September 22	39.	March 23
14.	September 29	40.	March 30
15.	October 6	41.	April 6
16.	October 13	42.	April 13
17.	October 20	43.	April 20
18.	October 27	44.	April 27
<b>End of 6 Week Clerkships</b>		<b>End of 6 Week Clerkships</b>	
19.	November 3	45.	May 4
20.	November 10	46.	May 11
21.	November 17	47.	May 18
22.	November 24	48.	May 25
23.	December 1	49.	June 1
24.	December 8	50.	June 8
<b>End of 6 and 12 Week Clerkships</b>		<b>End of 6 and 12 Week Clerkships and end of the academic year</b>	
25.	December 17-Vacation Week		
26.	December 22-Vacation Week		

## Academic Calendar For M-4: 1997-98 Class of 1998

Module	Week	Date (Monday)	Module	Week	Date (Monday)
Vacation (Optional)	1.	June 16,1997	Vacation	28.	December 22
I.	2.	June 23	VII.	29.	December 29
	3.	June 30		30.	January 5, 1998
	4.	July 7		31.	January 12
	5.	July 14		32.	January 19
II.	6.	July 21	VIII.	33.	January 26
	7.	July 28		34.	February 2
	8.	August 4		35.	February 9
	9.	August 11		36.	February 16
	10.	August 19	<b>Becoming a Clinician</b>		
<b>Becoming a Clinician</b> (Biostat./Epi./Humanities/Jurisprudence)			(Jurisprudence/ACLS)		
	11.	August 25		37.	February 23
				38.	March 2
			(Retake USMLE: Step 2 March 3 & 4)		
<b>USMLE Step 2</b> (USMLE)		August 26 & 27)	IX.	39.	March 9
III.	12.	September 1		40.	March 16
	13.	September 8			(Match Week)
	14.	September 15		41.	March 23
	15.	September 22		42.	March 30
IV.	16.	September 29	X.	43.	April 6
	17.	October 6		44.	April 13
	18.	October 13		45.	April 20
	19.	October 20		46.	April 27
V.	20.	October 27	XI.	47.	May 4
	21.	November 3		48.	May 11
	22.	November 10		49.	May 18
	23.	November 17		50.	May 25
VI.	24.	November 24	<b>Graduation</b>		June 6,1998
	25.	December 1			
	26.	December 8			
	27.	December 15			



## Important Addresses

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### **MCAT Information**

Application forms for the Medical College Admission Test are available in most premedical offices on major campuses. Application forms and manuals are also available from:

The American College Testing Program  
P.O. Box 414 Iowa City, Iowa 52240

MCAT Student Manual

The Association of American  
Medical Colleges

Office of Membership and Subscriptions  
One Dupont Circle, N.W., Suite 200  
Washington, D.C. 20036

## **Notice of Nondiscriminatory Policy**

The Texas A&M University Health Science Center, College of Medicine, in compliance with applicable federal laws and regulations, does not discriminate on the basis of race, color, national origin, sex, age, religion, handicap or status as a veteran in any of its policies, practices or procedures. This includes, but is not limited to admissions, employment, financial aid and educational services.

It is the goal of the Texas A&M University Health Science Center that its campus be accessible to the physically handicapped and free from unnecessary physical barriers.

Texas A&M does not discriminate on the basis of an individual's handicap and complies with Section 504 in its admissions, accessibility, treatment, and employment of students in its programs and activities. The designated 504 Coordinator for The Texas A&M University System is the Assistant Executive Director, System Human Resources Office, who is responsible for equal opportunity/affirmative action matters, telephone (409) 845-2026.

Texas A&M provides academic adjustments and auxiliary aids to students with handicapping conditions, as defined under the law, who are otherwise qualified to meet the institution's academic requirements. The office of Support Services for Students with Handicaps coordinates Texas A&M University's programs and efforts for the benefit of the individuals covered under the statute. For additional information, contact the office at (409) 845-1637.

The Texas A&M University Health Science Center is a component of the Texas A&M University System and is subject to the rules and regulations of the Board of Regents of The Texas A&M University System.

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