



LOMA LINDA UNIVERSITY

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1999 - 2001 Bulletin

Loma Linda University

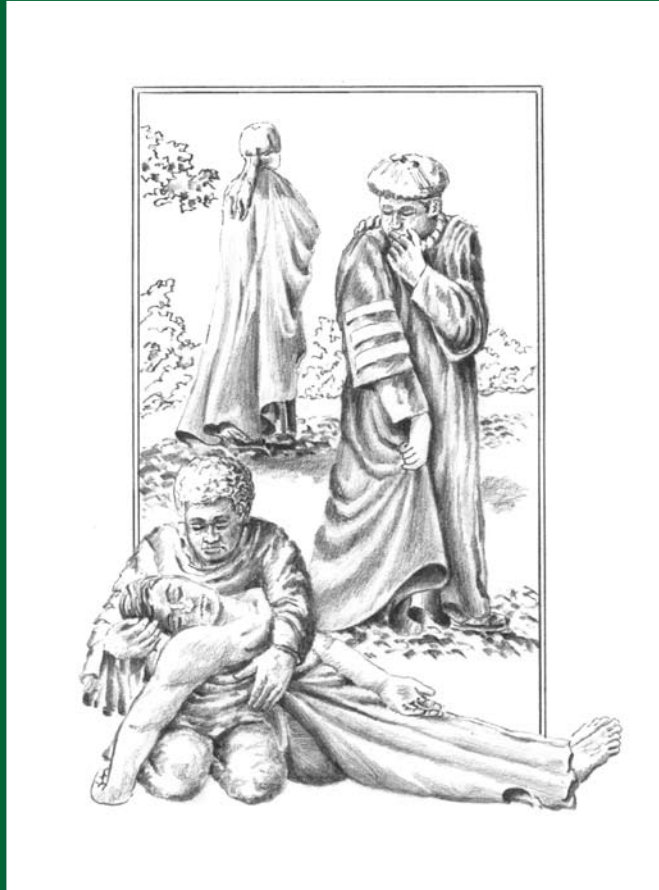
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LOMA LINDA UNIVERSITY



SCHOOL OF MEDICINE

1999  2001

Loma Linda University
SCHOOL OF MEDICINE
Bulletin 1999-2001

Loma Linda, California

<http://www.llu.edu/llu/medicine/>

Cover: The Good Samaritan sculpture, located on the campus mall,
is a graphic representation of the parable told by Jesus and recorded in Luke 10:25-37.

The information in this BULLETIN is made as accurate as is possible at the time of publication. Students are responsible for informing themselves of and satisfactorily meeting all requirements pertinent to their relationship with the University. The University reserves the right to make such changes as circumstances demand with reference to admission, registration, tuition and fees, attendance, curriculum requirements, conduct, academic standing, candidacy, and graduation.

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1999-2001

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Loma Linda University

Loma Linda, California 92350

a health-sciences university

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I

LOMA LINDA UNIVERSITY

University Foundations

Our Mission

Nondiscrimination Policy

Affirmative Action

The Calendar

University Foundations

HISTORY

Loma Linda University has grown out of the institution founded at Loma Linda, California, by the Seventh-day Adventist church in 1905. The original schools—Nursing and Medicine—have been joined by Allied Health Professions, Dentistry, Public Health, the Graduate School, and the Faculty of Religion.

The University, operated by the Seventh-day Adventist church, is committed to the vision of its founders and is sustained by its close association with the church.

Loma Linda University is a Seventh-day Adventist coeducational, health-sciences institution located in inland southern California. It is part of the Seventh-day Adventist system of higher education. Professional curricula are offered by the Schools of Allied Health Professions, Dentistry, Public Health, Medicine, and Nursing. Graduate programs in various biomedical sciences are offered by departments of the schools. The professional curricula of the University are approved by their respective professional organizations.

The most current campus census figures (1999-2000) indicate that the core of the combined faculties consists of 1,051 full-time teachers. Part-time and voluntary teachers, largely clinicians in the professional curricula, bring the total to 2,254. Men and women from 87 nations are represented in the 1999-2000 enrollment of 3,410.

PHILOSOPHY

As implied by its motto, “TO MAKE MAN WHOLE,” the University affirms these tenets as central to its view of education:

God is the creator and sustainer of the universe.

Mankind’s fullest development entails a growing understanding of the individual in relation both to God and society.

The quest for truth and professional expertise, in an environment permeated by religious values, benefits the individual and society and advances the ministry of the Seventh-day Adventist church.

Our Mission

Loma Linda University, a Seventh-day Adventist Christian health-sciences institution, seeks to further the healing and teaching ministry of Jesus Christ “to make man whole” by:

Educating ethical and proficient Christian health professionals and scholars through instruction, example, and the pursuit of truth;

Expanding knowledge through research in the biological, behavioral, physical, and environmental sciences and applying this knowledge to health and disease;

Providing comprehensive, competent, and compassionate health care for the whole person through faculty, students, and alumni.

In harmony with our heritage and global mission:

We encourage personal and professional growth through integrated development of the intellectual, physical, social, and spiritual dimensions of each member of the University community and those we serve.

We promote an environment that reflects and builds respect for the diversity of humanity as ordained by God.

We seek to serve a worldwide community by promoting healthful living, caring for the sick, and sharing the good news of a loving God.

To achieve our mission we are committed to:

OUR STUDENTS

Our primary responsibility is the education of students, who come from diverse ethnic and cultural backgrounds, enabling them to acquire the foundation of knowledge, skills, values, attitudes, and behaviors appropriate for their chosen academic or health care ministry. We nurture their intellectual curiosity. We facilitate their development into active, independent learners. We provide continuing educational opportunities for our alumni and professional peers. We encourage a personal Christian faith that permeates the lives of those we educate.

OUR FACULTY, STAFF, AND ADMINISTRATION

We respect our faculty, staff, and administration who through education, research, and service create a stimulating learning environment for our students. They contribute to the development of new understandings in their chosen fields. They demonstrate both Christian values and competence in their scholarship and professions.

OUR PATIENTS AND OTHERS WE SERVE

We provide humanitarian service through people, programs, and facilities. We promote healthful living and respond to the therapeutic and rehabilitative needs of people. We seek to enhance the quality of life for individuals in local, regional, national, and world communities.

OUR GOD AND OUR CHURCH

We believe all persons are called to friendship with a loving God both now and throughout eternity. We support the global mission of the Seventh-day Adventist church by responding to the need for skilled Christian health professionals and scholars. We seek to honor God and to uphold the values of the Seventh-day Adventist church and its commitment to awakening inquiry. We are drawn by love to share the good news of God expressed through the life and gospel of Jesus Christ and to hasten His return.

Nondiscrimination Policy

The University was established by the Seventh-day Adventist church as an integral part of its teaching ministry. It is committed to equal education and employment opportunities for men and women of all races and does not discriminate on the basis of handicap, sex, race, color, or national origin in its educational and admissions policies, financial affairs, employment programs, student life and services, or any University-administered program.

To this end, the University is in compliance with Titles VI and VII of the Civil Rights Act of 1964 as amended, and in substantial compliance with Title IX of the Education Amendments of 1972 (34 CFR 106 et seq.), Sections 503 and 504 of the Rehabilitation Discrimination in Employment Act of 1967, and Section 402 of the Vietnam Era Veterans Adjustment Act of 1974; and does not discriminate against any employees or applicants for employment on the basis of age or because they are disabled veterans or veterans of the Vietnam era. In addition, the University administers student programs without discrimination on the basis of age, except in those programs where age is a bona fide academic qualification for admission in accordance with the provisions of the Age Discrimination Act of 1975.

The University reserves constitutional and statutory rights as a religious institution and employer to give preference to Seventh-day Adventists in admissions and employment, including but not limited to 42 USC Secs. 2000e-1, 2000e-2; Sec. 6-15 of Federal Executive Order 11246; 41 CFR Sec. 60-1.5(5); 20 USC Sec. 1681 (a)(3); 34 CFR Secs. 106.12 (a)(b), 106.21, 106.31, 106.39, 106.40, 106.51, and 106.57; California Government Code Sec. 12926(d)(1); Title II, Division 4, Chapter 2, Sec. 7286.5 of the California Code of Regulations; the First Amendment to the United States Constitution; and Article I, Sec. 4, of the California Constitution. The University believes that Title IX regulations are subject to constitutional guarantees against unreasonable entanglement with or infringements on the religious teachings and practices of the Seventh-day Adventist church. The University expects students and employees to uphold biblical principles of morality and deportment as interpreted by the Seventh-day Adventist church. The University claims exemptions from the provisions of Title IX set forth in 34 CFR Secs. 106.12 (a)(b), 106.21, 106.31, 106.39, 106.40, 106.51, and 106.57.

Affirmative Action

The University routinely monitors its educational and employment practices regarding women, minorities, and the handicapped to ensure compliance with the law and University policy. The University's affirmative action policy is to provide equal access to admissions, educational programs and activities, financial aid, student services, and employment.

In compliance with Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, a grievance procedure has been established to process student complaints alleging violation of these regulations or of the University's policy of nondiscrimination based on gender or handicap. Inquiries concerning Title IX may be directed to the affirmative action officer. Employment-related discrimination complaints, including those filed by student employees, are processed in conformity with the provisions outlined in existing staff personnel policies. Complaints related to discrimination in academic areas are reviewed in conformity with the procedures established by the academic administration.

The Calendar

1999

JUNE

S	M	T	W	T	F	S
			1	2	3	4 5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

1	Early registration for summer sessions
7-11	Final examinations—FR
8-9	USMLE, Step I—SO
21-SEP 3	SUMMER SESSIONS 1999
21-SEP 3	Eleven-week summer session
21-JUL 27	First five-week summer session

JULY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

5	Independence Day recess
6	SM clerkships—JR
6	Instruction begins—JR
21	Last day to obtain financial clearance
21	Instruction begins
24	Registration—JR, SR
26	Instruction begins—SR
28-SEP 2	Second five-week summer session
One week after course begins	Last day to enter a course or change from audit to credit/credit to audit
One week after course begins	Last day to withdraw with no record of course registration on transcript
One week before end of course	Last day to withdraw with a W grade
One week before end of course	Last day to submit S/U petition

AUGUST

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

3-4	Careers in Medicine seminar
5-6	Registration and orientation—FR
9	Instruction begins—FR
24-25	USMLE, Step II—SR

SEPTEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

3	Summer Quarter ends
6	Labor Day recess
7	Registration—FR, SO, JR, SR
7-24	Post-Summer Quarter session
7	Instruction begins, Post-Summer Quarter session
7	Instruction begins—SO
8-24	Registration for Autumn Quarter
13-15	Midterm examinations—FR
15	University faculty convocation
27-DEC 14	AUTUMN QUARTER 1999
27	Last day to obtain financial clearance and to complete registration without a late fee

The Calendar

1999

OCTOBER

S	M	T	W	T	F	S			
						1	2	1-3	Faculty/Student retreat
3	4	5	6	7	8	9		5	Last day to enter a course or change from audit to credit/credit to audit
10	11	12	13	14	15	16			Campus/Chamber of Commerce Connection
17	18	19	20	21	22	23		7	Fall Week of Devotion
24	25	26	27	28	29	30		11-15	Last day to withdraw with no record of course registration on transcript
31								12	Examinations—JR
								22	Midterm examinations—SO
								25-29	Annual HALL/ALAS student retreat
								29-30	

NOVEMBER

S	M	T	W	T	F	S			
	1	2	3	4	5	6			
7	8	9	10	11	12	13			
14	15	16	17	18	19	20		19-20	Annual BALL/BHPSA student retreat
21	22	23	24	25	26	27		24-28	Thanksgiving recess—FR, SO
28	29	30						29	Instruction resumes
								29	Last day to withdraw with a W grade
								29	Last day to submit S/U petition
								29-DEC 23	Registration for Winter Quarter—LLU

DECEMBER

S	M	T	W	T	F	S			
				1	2	3	4	2	Registration—FR, SO, JR, SR
5	6	7	8	9	10	11		9-17	Final examinations—FR, SO
12	13	14	15	16	17	18		13-27	Christmas recess—SR
19	20	21	22	23	24	25		14	Autumn Quarter ends
26	27	28	29	30	31			17	Grades due from faculty
								18-JAN 3	Christmas recess—FR, SO
								20-JAN 3	Christmas recess—JR

2000

JANUARY

S	M	T	W	T	F	S			
						1			
2	3	4	5	6	7	8		3-MAR 17	WINTER QUARTER 2000
9	10	11	12	13	14	15		3	Instruction begins—FR, SO
16	17	18	19	20	21	22		5	Last day to obtain financial clearance
23	24	25	26	27	28	29		11	Last day to enter a course or change from audit to credit/credit to audit
30	31							8-15	Mission Emphasis Week
								17	Martin Luther King, Jr., Day recess—FR, SO
								18	Last day to withdraw with no record of course registration on transcript
								18-21	Student Week of Spiritual Emphasis
								28	Final examinations—JR
								31-FEB 4	African American History Week

The Calendar

2000

FEBRUARY

S M T W T F S
 1 2 3 4 5
 6 7 8 9 10 11 12
 13 14 15 16 17 18 19
 20 21 22 23 24 25 26
 27 28 29

7-11 Midterm examinations—FR, SO
 21 Presidents' Day recess
 28 Last day to withdraw with a W grade
 28 Last day to submit S/U petition
 28-MAR 24 Registration—LLU

MARCH

S M T W T F S
 1 2 3 4
 5 6 7 8 9 10 11
 12 13 14 15 16 17 18
 19 20 21 22 23 24 25
 26 27 28 29 30 31

2 Registration—FR, SO, JR, SR
 3 SM Family Day and FR dedication
 3- 7 Annual Postgraduate Convention (APC)
 13-17 Final examinations—FR, SO
 17 Winter Quarter ends
 21 Grades due from faculty
 17-26 Spring break—LLU
 27-JUN 9 SPRING QUARTER 2000
 27 Last day to obtain financial clearance and to complete
 registration without a late fee
 27 Instruction begins—FR, SO

APRIL

S M T W T F S
 1
 2 3 4 5 6 7 8
 9 10 11 12 13 14 15
 16 17 18 19 20 21 22
 23 24 25 26 27 28 29
 30

4 Last day to enter a course or change from audit to
 credit/credit to audit
 10-14 Spring Week of Devotion
 11 Last day to withdraw with no record of course registration
 on transcript
 21 Examinations—JR
 24-28 Midterm examinations—FR

MAY

S M T W T F S
 1 2 3 4 5 6
 7 8 9 10 11 12 13
 14 15 16 17 18 19 20
 21 22 23 24 25 26 27
 28 29 30 31

8-12 Final examinations—SO
 13 Minority Consecration Service
 16 Basic science comprehensive examination—SO
 22 Last day to withdraw with a W grade
 22 Last day to submit S/U petition
 26 Hooding Ceremony
 27 Baccalaureate Service
 28 Conferring of Degrees
 29 Memorial Day recess
 31-JUN 16 Early registration for summer sessions

The Calendar

2000

JUNE

S	M	T	W	T	F	S
					1	2 3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

1-16	Early registration for summer sessions
5- 9	Final examinations—FR
9	Spring Quarter ends—LLU
12-16	Final examinations—FR
19-SEP 1	SUMMER SESSIONS 2000
19-JUL 25	First five-week summer session
19-SEP 1	Eleven-week summer session
19	Last day to obtain financial clearance
19	Instruction begins
One week after course begins	Last day to enter a course or change from audit to credit/credit to audit
One week after course begins	Last day to withdraw with no record of course registration on transcript
29	Registration—JR
31	Instruction begins—JR, SR

JULY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

4	Independence Day recess
5	Instruction begins—JR
7	Last day to obtain financial clearance—JR
26-AUG 31	Second five-week summer session
28	Registration—SR
31	SM clerkships—JR, SR
One week before end of course	Last day to withdraw with a W grade
One week before end of course	Last day to submit S/U petition

AUGUST

S	M	T	W	T	F	S
					1	2 3 4 5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

3- 4	Registration and orientation—FR
7	Instruction begins—FR

The Calendar

2000

SEPTEMBER

S	M	T	W	T	F	S
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

1	Summer Quarter ends
4	Labor Day recess
5	Summer registration—SO
5	Instruction begins—SO
5-22	Registration for Autumn Quarter—FR, SO, JR, SR
5-22	POST-SUMMER QUARTER SESSION 2000
5	Instruction begins
11-15	Midterm examinations—FR
12	LLU faculty colloquium
25-DEC 14	AUTUMN QUARTER 2000
25	Last day to obtain financial clearance and to complete registration without a late fee
29-OCT 1	SM faculty/student retreat

OCTOBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

3	Last day to enter a course or change from audit to credit/credit to audit
5	Campus/Chamber of Commerce Connection
9-13	Fall Week of Devotion
10	Last day to withdraw with no record of course registration on transcript
20	Examinations—JR
23-27	Midterm examinations—FR, SO
25	University convocation
27-28	Annual HALL/ALAS student retreat

NOVEMBER

S	M	T	W	T	F	S
						1 2 3 4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

17-19	Annual BALL/BHPSA student retreat
22-26	Thanksgiving recess—FR, SO
27	Instruction resumes
27	Last day to withdraw with a W grade
27	Last day to submit S/U petition
27-DEC 22	Registration for Winter Quarter—LLU

DECEMBER

S	M	T	W	T	F	S
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

7	Final examinations—FR, SO
11-14	Final examinations—LLU
14	Autumn Quarter ends
15-JAN 2	Christmas recess—LLU
18-JAN 2	Christmas recess—FR, SO, JR, SR
19	Grades due from faculty

The Calendar

2001

JANUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

3-MAR 16	WINTER QUARTER 2001
3	Instruction begins—LLU
3	Instruction begins—FR, SO, JR, SR
3	Last day to obtain financial clearance—LLU
9	Last day to enter a course or change from audit to credit/credit to audit
20-27	Mission Emphasis Week
15	Martin Luther King, Jr., Day recess—FR, SO
16	Last day to withdraw with no record of course registration on transcript
16-19	Student Week of Spiritual Emphasis
26	Final examinations—JR

FEBRUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

29-MAR 2	Midterm examinations—FR, SO
19	Presidents' Day recess
20-27	African American History Week
22-27	SM Annual Postgraduate Convention (APC) with
27-MAR 2	SPH Alumni "Healthy People" Convention
25	SM Family Day and FR dedication
26	Last day to withdraw with a W grade
26	Last day to submit S/U petition
26-MAR 23	Registration for Spring Quarter—LLU

MARCH

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

1	Registration for Spring Quarter—SM
12-16	Final examinations—LLU
12-16	Final examinations—FR, SO
16-25	Spring break—LLU
16	Winter Quarter ends
TBA	JR match seminar
TBA	SR match seminar
20	Grades due from faculty
26-JUN 8	SPRING QUARTER 2001
26	Last day to obtain financial clearance and to complete registration without a late fee
26	Instruction begins—LLU
27	Instruction begins—FR, SO

The Calendar

2001

APRIL

S	M	T	W	T	F	S		
1	2	3	4	5	6	7	3	Last day to enter a course or change from audit to credit/credit to audit
8	9	10	11	12	13	14		
15	16	17	18	19	20	21	9-13	Spring Week of Devotion
22	23	24	25	26	27	28	10	Last day to withdraw with no record of course registration on transcript
29	30						20	Examinations—JR
							23-27	Midterm examinations—FR

MAY

S	M	T	W	T	F	S		
		1	2	3	4	5		
6	7	8	9	10	11	12	7-11	Final examinations—SO
13	14	15	16	17	18	19	12	Diversity Consecration Service
20	21	22	23	24	25	26	15	Basic science comprehensive examination—SO
27	28	29	30	31			21	Last day to withdraw with a W grade
							21	Last day to submit S/U petition
							25	Hooding Ceremony
							26	Baccalaureate Service
							27	Conferring of Degrees
							28	Memorial Day recess
							30-JUN 15	Early registration for summer sessions—LLU

JUNE

S	M	T	W	T	F	S		
					1	2		
3	4	5	6	7	8	9		
10	11	12	13	14	15	16		
17	18	19	20	21	22	23	18-AUG 31	SUMMER SESSIONS 2001—LLU
24	25	26	27	28	29	30	4- 8	Final examinations—LLU
							4- 8	Final examinations—FR
							8	Spring Quarter ends
							11-15	NBME subject examinations—FR
							12	Grades due from faculty
							18-JUL 24	First five-week summer session
							18-AUG 31	Eleven-week summer session

JULY

S	M	T	W	T	F	S		
1	2	3	4	5	6	7	2	Instruction begins—JR
8	9	10	11	12	13	14	25-AUG 31	Second five-week summer session
15	16	17	18	19	20	21	30	SM clerkships—JR, SR
22	23	24	25	26	27	28		
29	30	31						



II

THE SCHOOL OF MEDICINE

Letter from the Dean

School Foundations

Our Mission

Admissions Information

Curriculum

Clinical Facilities

Research Centers

Student Life

Academic Practices and General Regulations

Financial Information

Thank you for your interest in Loma Linda University School of Medicine. This bulletin will provide you with detailed information about our people, programs, and facilities; as well as our requirements and expectations.

Medical education remains our number-one priority. The School offers quality programs in medical education for medical students, combined-degrees students, house staff, alumni, and professional peers within a system of demonstrated Christian values and beliefs. Our faculty are committed to ensuring that those we educate will develop the skills and intellectual curiosity needed for success as life-long learners in a changing world.

We welcome your interest.



Brian S. Bull, M.D.

Brian S. Bull M.D.

Dean, School of Medicine

School Foundations

HISTORY

The professional curriculum in medicine, usually requiring four academic years of study and experience in a university and hospital setting, was first offered at Loma Linda University in 1909. Nine decades later, the events since 1909 seem blurred by the rapidity of change that institutions of higher learning experience in an effort to keep pace with the growth of knowledge.

SINCE 1909

The first two years of medicine were always taught on the Loma Linda campus. From 1913 to the mid-1960s the third and fourth years were taught at what is now White Memorial Medical Center (the first part of which was built in 1918) and at nearby Los Angeles County Hospital (now Los Angeles County/USC Medical Center). Construction of Loma Linda University Medical Center (inclusive of clinical, teaching, and research facilities) allowed the entire four-year curriculum to be offered on and near the Loma Linda campus, beginning with school year 1966-67. The Medical Center was occupied in July 1967.



Our Mission

The mission of the School of Medicine is to continue the healing and teaching ministry of Jesus Christ, “To Make Man Whole” (Luke 9:6).

PREPARING THE PHYSICIAN

Our overriding purpose is to foster the formation of Christian physicians, educated to serve as generalists or specialists providing whole-person care to individuals, families, and communities. To discharge this responsibility requires:

EDUCATION

Creating an environment in which medical students, graduate students, and residents will acquire the knowledge, skills, values, and attitudes appropriate to Christian health professionals and scholars.

RESEARCH

Cultivating an atmosphere of inquiry and discovering new routes to wholeness through basic and clinical research.

SERVICE

Ministering to the physical, mental, emotional, and spiritual needs of patients in a timely and cost-effective fashion with due regard for their privacy, dignity, and valid consent; providing diagnostic and therapeutic services in primary and tertiary-care settings to patients of all ages, races, religions, and socioeconomic backgrounds.

DEVELOPING THE WHOLE PERSON

Fostering wholeness. The Christian view of wholeness maintains that the needs of patients go beyond the healing of the body, and that the development of students involves more than the training of the mind. We are dedicated to promoting physical, intellectual, social, and spiritual growth in our faculty and our students; and to transforming our daily activities into personal ministries.

REACHING THE WORLD

Providing whole-person care wherever the opportunity arises; participating with the world community in the provision of local medical education; providing physicians and scientists from countries outside the United States additional opportunities for professional interaction and enrichment; sharing the good news of a loving God as demonstrated by the life and teachings of Jesus Christ—these are the goals of the students, faculty, and graduates of the School of Medicine.

Admissions Information

THE STUDY OF MEDICINE

Preparation for the practice of medicine begins early in life and early in the student's schooling. The greater the aptitudes for and interests in learning widely and appreciatively in the major areas of knowledge—the natural sciences, the humanities, the behavioral sciences—the more able and versatile the student is likely to become.

In selecting students, the Admissions Committee of the School of Medicine looks for applicants who are best suited to fulfill the mission of the School and to successfully practice medicine. The School desires students who demonstrate ability to learn independently, to think critically, and to articulate clearly—both orally and in written form—their ideas and opinions. It is important that students in the School of Medicine demonstrate excellent interpersonal skills and show evidence of sensitivity to the needs of humanity.

The Admissions Committee of the School of Medicine puts forth considerable effort to ensure that an applicant is qualified for medical school. The applicant's credentials are reviewed to assess scholastic performance. The committee also looks for prerequisite qualities of character and personality, potential for self-direction and the use of discriminating judgment, and for dedication to the ideal of service to society.

GENERAL ENTRANCE INFORMATION

A total of 85 semester (128 quarter) units of credit from an accredited college is required for acceptance by the School of Medicine. Preference is given, however, to college graduates. Credit must be presented for the following subjects:

	SEM./QTR.	HRS.
General biology or zoology, with laboratory		8/12
General or inorganic chemistry, with laboratory		8/12
Organic chemistry, with laboratory		8/12
Physics, with laboratory		8/12
English, equivalent to satisfy baccalaureate degree requirement		
Religion, as required by the college attended		

Required:

Keyboard and computer skills

Recommended:

Introductory course in basic statistics

Biochemistry (strongly recommended; can be substituted for second-semester organic chemistry)

Science credits earned in professional schools (e.g., allied health professions, business, dentistry, nursing, or pharmacy) do not fulfill requirements for admission to medicine.

CLEP and Pass/Fail performances are not acceptable for the required courses.

The new Medical College Admission Test (MCAT) is required. Scores older than three years will not be considered.

APPLICATION PROCEDURE AND ACCEPTANCE

It is important to know the specifics of the application process and to begin the application process well in advance of the date of anticipated (or desired) entrance to medical school.

Where to write

The School of Medicine is a member of the American Medical College Application Service (AMCAS). Applications must be processed through this service. The AMCAS application booklet may be obtained at the college the applicant is attending or directly from AMCAS.

Inquiry should be addressed to the following:
 American Medical College Application Service
 Student Services
 2450 N Street, N.W., Suite 201
 Washington, DC 20037-1131

Deadline

Application should be made directly to AMCAS between June 1 and November for entry in August of the following year.

Fees

The AMCAS fee is required each time an application is submitted. An additional fee to the School of Medicine is required with each application.

Procedure

The application procedure is as follows:

1. The applicant submits a formal application to AMCAS, with fee and requested transcripts. The applicant's evaluated data are forwarded to the School of Medicine by AMCAS.
2. When the application is received from AMCAS, Loma Linda University School of Medicine requests completion of a supplementary application and reference forms. The prospective student should provide evidence of exposure to health care through personal involvement, or in other ways confirming the applicant's decision to become a physician.
3. After the supplementary application and letters of reference have been submitted and reviewed, the applicant may be invited for an interview.
4. The information submitted by the applicant through AMCAS, the supplementary application, the letters of reference, and the interview reports are then evaluated by the Admissions Committee of the School of Medicine. This committee determines whether an applicant is accepted or rejected. All applicants are notified of the final decision of the Admissions Committee regarding their application. Acceptance notices are sent to regular applicants beginning December of the year preceding matriculation, continuing until the class is filled.
5. The accepted applicant sends a written acceptance of his/her offer of matriculation as a student, together with a \$100 acceptance deposit, by the announced date (about thirty days after the notification of acceptance). This deposit is refundable until May 15 of the year in which the student has been accepted for entry.

In summary, the Admissions Office requests the following:

- Loma Linda University School of Medicine secondary application and \$55.00 application fee.

- Appraisal of the applicant's character, ability, and suitability for a medical career by persons knowledgeable about the applicant's past performance.
- A preprofessional recommendation packet, if available, from the applicant's undergraduate college/university.
- Applicant's availability for interviews.

Incoming transcripts

Transcripts that convey the grades and credits earned in each subject at all universities and/or colleges attended are required of all accepted students. Official transcripts should be in the Office of the Dean at the time of registration.

EARLY-DECISION PROGRAM

A highly qualified applicant to medical school may apply between June 1 and August 1 and be guaranteed a decision by October 1. During that period of time, the applicant may not apply to any other medical school; and if s/he is accepted at Loma Linda University, s/he is committed to that decision. If the applicant is not accepted by October 1, s/he may apply to any school s/he wishes. Those not accepted by October 1 will be considered in the regular applicant pool. On the AMCAS application the applicant indicates that s/he is an early-decision applicant and agrees to comply with the constraints of that program.

DEADLINES

June 1 to November 1 (of the year preceding the year of matriculation) is the period for submission of applications for the first-year class.

August 1 (of the year preceding the year of matriculation) is the deadline for submission of application under the Early-Decision Program.

September 1 (of the year preceding the year of matriculation) is the deadline for the submission of credentials for the Early-Decision Program.

November 15 (of the year preceding the year of matriculation) is the deadline for receipt of all supporting credentials for the regular applicant pool.

May 15 (of the year of matriculation) is the date beyond which the deposit of \$100 is not refundable.

Transfer

Under exceptional circumstances, the School accepts applicants into the junior year who are transferring from other U.S. medical schools. Such transfers must be for compelling circumstances and are subject to the availability of space and the approval of the Loma Linda University School of Medicine Dean's Administrative Committee.

The University reserves the right to require of an applicant satisfactory completion of written or practical examinations in any course for which transfer credit is requested. Successful completion of USMLE Step I is required.

Medical Scientist Training Program

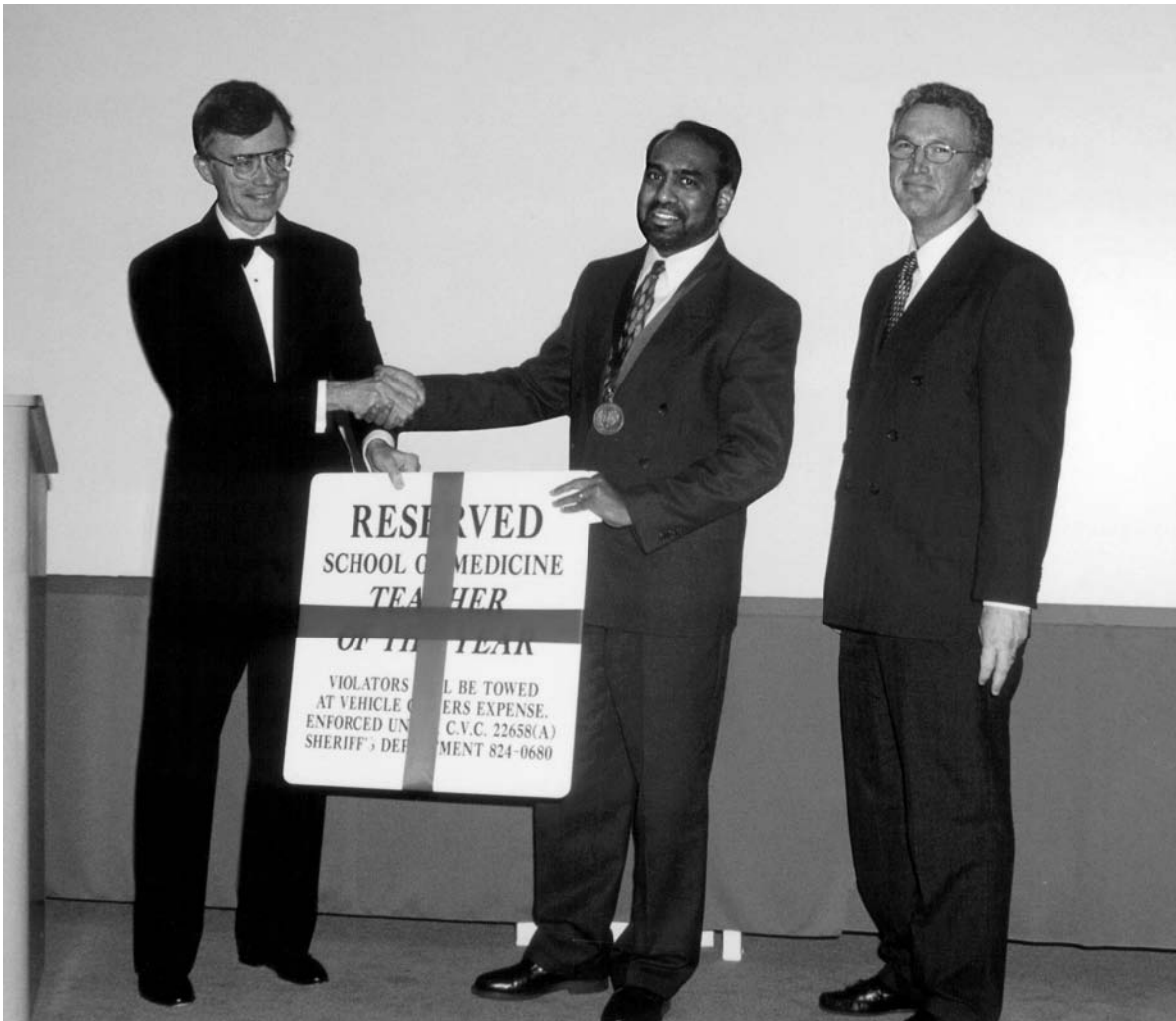
Students interested in the Medical Scientist Training Program are required to take the Graduate Record Examination and must apply to the Graduate School of Loma Linda University as well as to the School of Medicine. The Graduate School application fee will be waived if combined-degrees applications are received prior to November 1.

Veterans

A student eligible for veteran's benefits under the current enactment should transfer records to the:

Veterans Administration Regional Office
11000 Wilshire Boulevard
Los Angeles, CA 90024.

The student should also notify the Office of Admissions and Records.



Curriculum

The curriculum in medicine consists of four academic years. Instruction is on the quarter system. The first six quarters are oriented to the sciences basic to the practice of medicine; the remaining two academic years are made up of clinically oriented core instruction and up to twenty-two weeks of clinical electives.

THE FRESHMAN YEAR consists of the study of anatomy/embryology, biochemistry/molecular biology/genetics, cell structure and function, understanding your patient, information science and population-based medicine, fundamental principles of physical diagnosis, medical applications of the basic sciences, and neuroscience.

THE SOPHOMORE YEAR includes microbiology, pharmacology, physiology, and organ-systems pathology. Both pathophysiology and applied physical diagnosis provide the transition between the basic and clinical sciences. Course work in psychopathology builds upon the first-year content.

THE JUNIOR YEAR is fifty-two weeks in length and focuses on internal medicine, pediatrics, gynecology and obstetrics, family medicine, psychiatry, surgery, medical ethics, and orientation to clinical medicine. Didactic work is integrated with ward and clinical assignments.

THE SENIOR YEAR is forty weeks in length. Required clinical clerkships include subinternships in internal medicine or surgery; intensive care/emergency medicine, ambulatory care, and neurology; and up to twenty-six weeks of electives.

WHOLE-PERSON FORMATION

Personal and professional growth for the student in medicine is the focus of the disciplines in the School, the faculty in the School of Medicine, and the Faculty of Religion. Courses and content are offered to emphasize biblical, ethical, and relational aspects of the practice of medicine. The core for Whole-Person Formation—ten quarter hours of religion and ethics—is provided during the first two years of the medicine curriculum.

CURRICULUM OUTLINE

Year 1			
1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
Gross Anatomy You and Your Patient Information Science and Population-Based Medicine			
	Medical Neuroscience Physical Diagnosis		
	Cell Structure and Function Medical Applications of the Basic Sciences Medical Biochemistry/Molecular Biology/Genetics Religion		
Year 2			
Microbiology Psychopathology			
	Physiology		
	Pathophysiology and Applied Physical Diagnosis Pharmacology		
	Pathology Religion		
Year 3			
Clinical Clerkships (required)			
Surgery (12 weeks)	Medicine (12 weeks)	Pediatrics (8 weeks)	Obstetrics/Gynecology (6 weeks)
Family Medicine (4 weeks)	Psychiatry (6 weeks)	Orientation to Clinical Medicine (4 weeks)	
Year 4			
Clinical Clerkships (required)			
Intensive Care/Emergency Medicine (2 weeks)	Medicine (2 weeks)	Ambulatory Care (4 weeks)	
Neurology (4 weeks)	Electives (20-26 weeks)	Subinternships: Internal Medicine or Surgery (4 weeks)	

CLOCK-HOUR DISTRIBUTION

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	TOTAL
Anatomy/Embryology	101	—	—	—	101
Cell Structure and Function	120	—	—	—	120
Emergency Medicine				120	120
Family Medicine			240	240	480
Gynecology and Obstetrics			360		360
Information Sciences and Population-Based Medicine	35				35
Intensive Care				120	120
Medical Applications of the Basic Sciences	40				40
Medical Biochemistry/Molecular Biology/Genetics	111				111
Medical Neuroscience	71				71
Medicine			720	240	960
Microbiology		94			94
Neurology				240	240
Orientation to Clinical Medicine			240		240
Pathophysiology and Applied Physical Diagnosis		78			78
Pathology		190			190
Pediatrics			480		480
Pharmacology		86			86
Physical Diagnosis	116				116
Physical Medicine and Rehabilitation			**		
Physiology		120			120
Psychiatry	41	52	360		453
Surgery**			720	240	960
Anesthesiology/Critical Care			*	*	
Neurosurgery			*	*	
Ophthalmology			*	*	
Orthopaedics			*	*	
Otolaryngology			*	*	
Urology			*	*	
Religion and Ethics	66	44	22		132
Elective				1200	1200
TOTAL	701	664	3142	2400	6907

*part of surgery rotation

**integrated with clerkship training

Course numbers

Ordinarily, course numbers reflect the year in which the courses are taken.

Undergraduate:

100-199 freshman
201-299 sophomore
301-399 junior
401-499 senior

Postbaccalaureate:

701-749 freshman
751-799 sophomore
801-849 junior
851-899 senior

CONJOINT COURSES**MDCJ 501 Introduction to Medicine SM (2)**

Taught by the Department of Medicine and the Faculty of Religion for students in the Early-Decision Program. Designed to help students develop the writing and reading skills essential to perform medical duties, and to help students develop the whole-person-care focus necessary for success as a physician.

MDCJ 502 Introduction to Medicine II (2)

Taught by the Faculty of Religion and by the Departments of Biochemistry, Medicine, Pathology (Division of Human Anatomy), and Surgery for students in the Early-Decision Program. Designed to help students develop skills in problem-based learning, standardized patient assessment, and as whole-person care, which are necessary skills for success as a physician.

MDCJ 521, 522, 523 Physical Diagnosis (8)

Provides a core foundation of knowledge, skills, values, and attitudes necessary for effective physician-patient communication and physical examination.

MDCJ 525, 526 Pathophysiology and Applied Physical Diagnosis (9)

Two parallel components that bridge the preclinical curriculum to the clinical curriculum:

(1) Pathophysiology lectures build upon the courses in organ pathology and physiology, introduce students to the pathophysiologic principles underlying mechanisms of disease, and emphasize the application of these principles to a variety of new situations that require problem solving and synthesis in a clinical context.

(2) Practical experience develops and applies skills that build on the first-year sequence in physical diagnosis.

Prerequisite: MDCJ 522, 523.

MDCJ 531, 532, 533 Cell Structure and Function (14)

Fully integrated, comprehensive course that develops knowledge and skills relating normal microscopic and submicroscopic anatomy to cellular biology, cellular physiology, and immunology. General pathology—the common thread for the course—familiarizes students with morphologic and functional changes affecting cells exposed to a variety of normal and, to a lesser extent, abnormal environments.

MDCJ 535, 536, 537 Medical Biochemistry, Molecular Biology, and Genetics (10)

Foundation courses—in conjunction with MDCJ 531, 533—for study of normal biology in the first-year curriculum. Comprehensive sequence in biochemistry and molecular biology establishes the biochemical basis for cell structure, emphasizes an integrated approach to the understanding of cellular metabolism, provides a biochemical/genetic/molecular basis for understanding disease, and examines the mechanisms for genetic information flow in prokaryotic and eukaryotic cells.

MDCJ 541, 542 Medical Neuroscience SM (71 hours) (7)

Fundamentals of neuroanatomy and neurophysiology integrated in a clinical context with principles of the human nervous system.

MDCJ 545, 546, 547 Medical Applications of the Basic Sciences (3, 2, 2)

Students solve clinical problems by using their medical knowledge and accessing appropriate learning resources. Independent and small-group activities help students to identify their personal learning issues. A minimum of four hours per week in independent, self-directed learning activities.

MDCJ 701 Orientation to Clinical Medicine (240 hours)

Builds on the second-year course MDCJ 525, 526. Diagnosis to provide the knowledge, skills, values, and attitudes necessary to facilitate a smooth transition from the preclinical to the clinical curriculum.

MDCJ 821 Ambulatory Care Clerkship (240 hours)

Interdisciplinary, four-week rotation designed to broaden exposure to community-based health care done mainly in primary-care clinics. Clinical experience in areas not otherwise covered in the curriculum: dermatology and STDs, clinical preventive medicine, and integrative/whole-person care in ambulatory and managed-care settings.

DEPARTMENT COURSES

Please refer to the departmental listings, arranged alphabetically.

GRADUATE EDUCATION

Graduate programs leading to the Master of Science and Doctor of Philosophy degrees are offered by the preclinical Departments of Anatomy, Biochemistry, Microbiology, Molecular Genetics, and Physiology and Pharmacology.

COMBINED-DEGREES PROGRAMS

Loma Linda University is committed to fostering the investigative skills of its medical students. Students interested in pursuing careers in academic medicine and medical research may wish to enroll in one of the combined-degrees programs.

Medical Scientist Training Program

The Medical Scientist Training Program is designed to develop a student's independence and competence as an investigative scientist and clinician. It provides students with a broad educational base for the practice of medicine and medically related research. The program is administered jointly by the School of Medicine and the Graduate School. During the first three years of the program, students follow an integrated curriculum that includes medical courses, graduate education, and research training.

In the first year the curriculum includes a course sequence, taught by an interdisciplinary faculty, that integrates aspects of biochemistry, molecular genetics, molecular biology, cell physiology, and cell ultrastructure into a rigorous survey of cellular biology. Clinical information is added to this framework by weekly correlative sessions. During subsequent years, formal courses continue to broaden and integrate into a meaningful whole an understanding of the clinical consequences of cellular events.

Beginning in the fourth year and continuing for two or more years, students pursue full-time research on a project of their own design within the graduate programs of human anatomy, biochemistry, microbiology and molecular genetics, and/or physiology and pharmacology. Research training within these programs is available in nationally recognized research laboratories in the School of Medicine. After completing the Ph.D. degree, students return to the medical curriculum to complete the last two years of clinical training to obtain the Doctor of Medicine degree.

For acceptance into the Medical Scientist Training Program, graduation from an accredited college is required. Students must simultaneously submit applications to the School of Medicine and the Graduate School. Scores on the general test of the Graduate Record Examination are required. The Department of Biochemistry requires and the Department of Physiology and Pharmacology recommends a basic course in calculus and two quarters of physical chemistry. Students who have completed at least 8 units in biochemistry may qualify for reduced biochemistry course work in the Medical Scientist Training Program.

For information regarding tuition waivers and scholarships, contact the director of the Medical Scientist Training Program.

Combined-degrees program

The combined M.D./Ph.D.-degrees program is also jointly sponsored by the School of Medicine and the Graduate School and includes many of the features of the Medical Scientist Training Program. The primary difference is that students complete the first two years of the standard medical curriculum before beginning graduate studies or research training. This is followed by three or more years of graduate course work and research to qualify for a Ph.D. degree, or at least one year for an M.S. degree, before commencing the last two years of clinical training for the Doctor of Medicine degree. Majors are offered in anatomy, biochemistry, microbiology and molecular genetics, and physiology and pharmacology.

For the combined M.D./Ph.D. and M.D./M.S. degrees programs, the prerequisites and Graduate Record Examination requirements are similar to those described for the Medical Scientist Training Program. Biochemistry is not required.

RESIDENCY PROGRAMS

Loma Linda University Medical Center and other hospitals affiliated with Loma Linda University School of Medicine provide a variety of graduate medical education programs. These include residencies in anesthesiology, combined medicine/pediatrics, dental anesthesia, dermatology, emergency medicine, family practice, internal medicine, neurology, neurosurgery, obstetrics and gynecology, ophthalmology, oral implantology, oral surgery, orthopaedic surgery, otolaryngology, pathology, pediatrics, physical medicine/rehabilitation, preventive medicine, psychiatry, radiation oncology, diagnostic radiology, general surgery, plastic surgery, thoracic surgery, urology, and general vascular surgery.

Subspecialty residencies are offered in cardiovascular disease, gastroenterology, nephrology, rheumatology, pulmonary disease/critical care medicine, neonatal-perinatal medicine, orthopaedics (hand surgery), pain management, pediatric critical care medicine, vascular/interventional radiology, neuroradiology, pediatric radiology, emergency medicine/pediatrics, pain-management anesthesiology, child neurology, maternal-fetal medicine.

Graduate physicians wishing to apply for entrance into these programs should apply directly to the program director of the specialty.

CONTINUING MEDICAL EDUCATION

Recognizing the imperative of life-long learning for professionals, the School of Medicine supports a program of continuing medical education for physicians beyond their formal postgraduate years. The Office of Continuing Medical Education is accredited by the Accreditation Council for Continuing Medical Education to provide Category I continuing medical education credit for physicians. Course offerings include weekly, bi-weekly and monthly School of Medicine departmental grand rounds and a large number of one-day and multi-day conferences and workshops that are presented locally and nationally for School of Medicine faculty, alumni and practicing physicians within the geographic area in which the conferences are presented.

For more information please write to:
Thomas Zirkle, M.D., Assistant Dean for
Continuing Medical Education,
Loma Linda University Medical Center, Room A505
Loma Linda, CA 92350;
or telephone (909) 558-4963.

Clinical Facilities

Clinical instruction takes place primarily at Loma Linda University Medical Center, which includes Children's Hospital; and at Loma Linda University Community Hospital, Jerry L. Pettis Memorial Veterans Medical Center, Riverside County Regional Medical Center, Loma Linda University Behavioral Medicine Center, and White Memorial Medical Center. Also utilized are San Bernardino County General Hospital, Kaiser Foundation Hospital, Glendale Adventist Medical Center, and White Memorial Medical Center.

THE INSTRUCTIONAL RESOURCES

Loma Linda University Medical Center

The Medical Center is a major teaching center serving San Bernardino and Riverside counties. In addition to its large population of referred patients, the Medical Center is also the Level 1 trauma center for the region and is the tertiary-care center for high-risk obstetrics and neonatal intensive care. A new extension of the hospital houses the Loma Linda Cancer Center and the Proton Treatment Center for cancer therapy. All patients in the Medical Center are available for medical student, resident, and fellowship training.

Loma Linda University Children's Hospital

The Children's Hospital provides a single, centralized location where newborns, infants, and children can receive comprehensive medical care. Being seen at a comprehensive center for children's health care assures children and their parents that all aspects of their health will be closely monitored and understood. Loma Linda University Children's Hospital, pediatric nurses, physicians, surgeons, anesthesiologists, radiologists, and other professionals work together to assure that every patient receives the highest possible quality of medical attention.

The organization of a children's hospital also means that the hospital's staff is chosen from among people who are specially trained and have a deep interest in children's health care. Every Children's Hospital employee is highly skilled in dealing with children and has made the care of children a personal priority. The Children's Hospital is the place for little faces.

Loma Linda University Community Hospital

The Community Hospital is a teaching resource for medical students in family medicine and internal medicine as well as house staff in family medicine and general pediatrics.

Faculty Medical Offices (FMO)

The FMO includes facilities for all specialties, an outpatient surgery suite that handles approximately 30 percent of all the surgery done at the Medical Center, and an urgent-care center. The FMO is utilized for students' outpatient experience in nearly all specialties.

Jerry L. Pettis Memorial Veterans Medical Center

This medical center serves a wide geographic area and cares for a large population of veterans. Outpatient clinics and inpatient wards are available for student and resident teaching. The residency programs are integrated with the University Medical Center and are under the supervision of the faculty of the School of Medicine. The Dean's Committee helps to coordinate the patient care and teaching activities of the veterans medical center.

Riverside County Regional Medical Center

The medical center is located twenty miles south of Loma Linda in the city of Riverside. The patient population reflects an inner-city profile with a large concentration of urgent medical and surgical, trauma, obstetrics, and pediatrics cases. All patients are available for student, resident, and fellowship training.

Loma Linda University Behavioral Medicine Center

This freestanding, full-service psychiatric hospital opened in early 1991. Loma Linda University Behavioral Medicine Center offers adult, child, adolescent, and chemical-dependency services, including inpatient and partial hospitalization. There is special emphasis on services that provide the integration of Christian faith with psychiatric care for those patients desiring such. This expansion of clinical services greatly enhances the teaching of medical students and residents as well as the clinical research potential.

Other facilities

Also utilized are San Bernardino County General Hospital, Kaiser Foundation Hospitals, Glendale Adventist Medical Center, and White Memorial Medical Center.

Research Centers

Basic science investigation is advanced and patient treatment is enhanced through the ground-breaking research conducted at the five centers of the School of Medicine.

CENTER FOR MOLECULAR BIOLOGY AND GENE THERAPY

The Center for Molecular Biology and Gene Therapy conducts basic science research and training in the field of cellular and molecular genetics within the context of a Christian health-sciences university. The goals of the center are to:

- Establish and maintain an active research program in the field of cellular and molecular genetics.
- Conduct basic science scholarly research that provides a foundation for molecular medicine at this University.
- Apply molecular genetic basic science research to the development of cellular and genetic therapies for treatment of neurological disorders as well as diseases such as cancer.
- Develop and promote courses to train faculty and students at this University in cellular and molecular genetic technologies.

The center's core facility, the DNA laboratory, provides services to the University research community, such as DNA sequencing and oligo nucleotide synthesis (synthesizing small DNA fragments or small genes); and uses real-time PCR equipment to measure DNA and RNA in small amounts and to amplify levels in tissue or cell samples.

CENTER FOR NEUROIMMUNOLOGY

The center seeks to develop basic clinical and research programs that provide insight into the scientific foundations underlying the integration of body, mind, and spirit in healing and in wellness. The center is strongly committed to providing a training environment and opportunities for medical students, clinical fellows, and early-career faculty members who wish to participate in interdisciplinary research.

MUSCULOSKELETAL DISEASE CENTER

The Musculoskeletal Disease Center (MDC) pursues research in molecular medicine, including gene therapy and molecular genetics, as its primary approach to diseases of the musculoskeletal system. The gene therapy research involves local and systemic therapy for musculoskeletal diseases, particularly osteoporosis. The Osteoporosis Research Clinic, which is a part of the MDC, offers state-of-the-art x-ray imaging for bone-density scans and conducts clinical research studies in numerous areas other than osteoporosis.

Areas of research interest relevant to the MDC include:

- Signal transduction mechanisms involved in mediating the effects of mechanical strain to culminate in increased bone formation.
- Molecular mechanism of action of anabolic agents—including fluoride, a bone-cell mitogen.
- Role of the IGF system in the pathogenesis of bone loss and hip fracture.
- Identification of and functional studies of genes involved in the musculoskeletal system.

Medical students and postdoctoral fellows from around the world receive training in the MDC laboratories, participate—often with honors—at local and national basic research and clinical research meetings. They are given many opportunities for collaboration with other research laboratories, nationally and internationally.

NEUROSURGERY CENTER FOR RESEARCH, TRAINING, AND EDUCATION

The Neurosurgery Center for Research, Training, and Education pursues ways to improve patient care. Its primary goals are to develop new biologically and technologically advanced, minimally invasive surgical techniques and instrumentation, in collaboration with the general, plastic, urological, cardiothoracic, and neurosurgical services; to facilitate training in new techniques, such as endoscopic surgery; and to stimulate research in all surgical fields, with emphasis on neurosurgical procedures. The director and associate director of the center hold nearly three dozen international and three dozen United States patents (and have over a dozen patents pending) on surgical instruments and surgical assistive devices they have invented. The center provides:

- Research and training resources for education in general surgery and neurosurgery as well as CME approval of preceptorships for medical students, surgical residents, faculty, outside physicians, and visiting scholars on sabbatical, national and international (although the center's educational directives are intended primarily for surgical residents who are in a formal curriculum).
- Opportunities for surgical training on *ex vivo* models, then laboratory animals.
- A curriculum for training in laparoscopic surgery.
- Instrumentation and laboratories for endoscopic experience.
- CME-approved training in sutureless vascular anastomosis techniques.

- A computerized data bank for an international study of vascular accesses performed with nonpenetrating clips—a study involving medical students and the School of Public Health Biostatistics Service.
- A video network connecting LLU operating rooms with other institutions that are a part of the Center of Excellence Program.

CENTER FOR PERINATAL BIOLOGY

The primary research focus of the Center for Perinatal Biology is investigation of fetal and neonatal biology and physiology. The majority of the funding to support this research is derived from competitive grants awarded by the National Institutes of Health; additional funding is provided by the National Science Foundation, the American Heart Association, the March of Dimes–Birth Defects Foundation, and other agencies.

The biomedical scientists in this internationally renowned research center also teach basic science courses in the School of Medicine and graduate courses in their disciplines: physiology/pharmacology, gynecology/obstetrics, pathology/human anatomy, biochemistry/microbiology, and pediatrics. The center is an ideal environment for the graduate students, postdoctoral fellows, and beginning investigators who spend from two-to-four years in research and training in fields related to developmental physiology. Visiting scholars from other universities also work in the center during sabbaticals or other interims.



Student Life

STUDENT LIFE

The information on student life contained in this BULLETIN is brief. The *Student Handbook* more comprehensively addresses University and School expectations, regulations, and policies and is made available to each registered student and to prospective students who request a copy in writing from the School of Medicine, office of the associate dean for student affairs. Students are expected to familiarize themselves with the contents of the *Student Handbook* and to abide by its policies. Additional information regarding policies specific to a particular school or program within the University is available from the respective School.

FROM UNIVERSITY TO STUDENT

Loma Linda University was established to provide education in a distinctively Christian environment. Students are expected to respect the standards and ideals of the Seventh-day Adventist church. Application to and enrollment in the University constitute the student's commitment to honor and abide by the academic and social practices and regulations stated in announcements, bulletins, handbooks, and other printed materials; and to maintain a manner that is mature and compatible with the University's function as an institution of higher learning.

STUDENT CONDUCT

It is inevitable that the student will come under question if:

- his/her academic performance is below standard;
- s/he neglects other student duties;
- his/her social conduct is unbecoming; or
- his/her attitudes demonstrate deficiencies such as poor judgment, moral inadequacy, or other forms of immaturity.

Procedures for evaluation of student academic and nonacademic performance—as well as for the student to initiate grievance procedures and/or to exercise his/her right of appeal—are described in each School's section of the *Student Handbook*.

Prospective students who have questions concerning the University's expectations should seek specific information prior to enrollment.

WHOLE-PERSON HEALTH

The University regards the student from a cosmopolitan and comprehensive point of view—

- cosmopolitan, in that the University's global mission seeks to promote bonds and opportunities in education and service without regard to sex, national or racial origin, or geographical origin; and
- comprehensive, in that the University's concern for the welfare of the student traditionally has been an integrated concern for assisting the student in balanced development.

Students from all schools of Loma Linda University have the opportunity to participate in a variety of programs designed to foster social, intellectual, physical, emotional, and spiritual wellness. These programs support Loma Linda University's motto, "To make man whole."

Opportunities for personal development and spiritual enrichment are provided in the regular schedule of religious exercises and activities and in informal association with others who cherish spiritual values.

Religion classes that focus on such subjects as "The Art of Integrative Patient Care," "Biomedical Ethics," and "God and Human Suffering" and a weekly chapel service are part of the required curriculum.

Loma Linda University also offers opportunities for students to complement their formal learning through participation in a wide variety of activities which can enrich their group interaction and leadership experiences, increase their interests in fields outside their profession, develop their talents, and enhance wholesome and memorable association with others.

Situated within easy access of the ocean, mountains, and desert, the University provides numerous opportunities for social and cultural activities. A variety of University-, School-, and group-sponsored events encourage students to relax and become better acquainted with one another.

The University encourages physical fitness by providing courses in field exercises, body building, and health instruction. An effort is made to interest each student in some recreational and health-building activity that may be carried over to enhance future life.

The Drayson Center

The Drayson Center, Loma Linda University's recreation and wellness center, provides state-of-the-art fitness facilities. It includes a 21,000-square-foot multipurpose gymnasium, which houses three full-size basketball courts, five volleyball courts, and nine badminton courts. Circling the gymnasium's inside perimeter is a three-lane, elevated, rubberized running track. The facility also includes five racquetball courts with viewing areas, and fully equipped men's and women's locker rooms. Aerobics studios and cardiovascular and fitness areas are equipped for strength training, sports conditioning, body building, and power lifting. A large, ten-lane lap pool is

designed to accommodate scuba diving classes. A 22-foot-high, 150-foot water slide ends in the nearby recreational pool. This shallow pool is wheelchair accessible. An outdoor Jacuzzi is also available. Included in the complex are a lighted, six-court tennis facility; a 400,000-square-foot multi-use recreational area with four softball fields; a half-mile-long track; and picnic and game areas.

The Drayson Center offers lifetime leisure classes (noncredit), such as low- and high-impact "classicize" aerobics, scuba diving, tennis, weight training, abdominal workout, karate, Tai-chi, photography, and basic calligraphy. Physical and nutritional assessments are also available.

UNIVERSITY STUDENT/FAMILY COUNSELING CENTER

The University Counseling Center offers a variety of confidential services to students and their families, including: individual, premarital, marital, family, and group counseling regarding issues of adjustment, anxiety, depression, etc.; skills in time management, studying, and test-taking; and 24-hour emergency crisis intervention. The center is located at 11374 Mountain View Avenue, Loma Linda. Full-time students may receive up to nine free visits. Call 909/558-4505 or (on campus) 66028 to schedule an appointment or for more information.

STUDENT ASSISTANCE PROGRAM

The Loma Linda Student Assistance Program (LLSAP) provides professional and caring assessment and treatment for a variety of personal, family, work, and school-related issues. LLSAP clinicians will develop a treatment plan that may include free short-term counseling. If more extensive treatment is appropriate, clients are referred to a community therapist who specializes in the student's area of concern and who is covered by the student's health plan. All information is confidential. LLSAP clinicians will not release information without the written consent of the student, with the exception of matters that fall under mandatory reporting laws.

LLSAP, the only nationally accredited student assistance program in California, has provided state-of-the-art services to students since it was established in 1990.

Appointments may be scheduled during office hours: Monday through Wednesday 8 a.m.-5 p.m.; Thursday 8 a.m.-8 p.m.; Friday 8 a.m.-1 p.m. Additional appointments times may be available upon request.

All LLSAP services are free of charge.

For further information or to schedule a confidential appointment, the student may phone—off campus: 909/558-6050; on campus: 66050.

LLSAP is located at:

11360 Mountain View Avenue
Hartford Building, Suite A
Loma Linda, CA 92354.

TEACHING LEARNING CENTER

The Teaching Learning Center works with students to develop the reading, writing, analytical, and study skills needed to succeed in professional education. The center offers three ABLE programs that will help students face academic challenges by:

- A ssessing learning style and reading skills.
- B reaking through in reading speed and comprehension.
- L earning analytical and memory techniques and skills.
- E nhancing ability to take tests and examinations.

If a student is having scholastic difficulties, the center will assess the student and tailor a program designed to increase and/or improve his/her reading speed and comprehension, writing clarity, analytical abilities, and other study skills—using the student's own course materials.

The center is located on campus in Evans Hall, room 207. There is no charge to the student for assessment and evaluation. The regular student tuition package does not include the TLC tuition. However, TLC tuition is lower than regular tuition. For additional information, please call 909/558-8625.

THE STUDENT HEALTH PLAN

Because the health, vitality, and welfare of its students and their dependents are of major concern to the University, Loma Linda University sponsors and funds the Student Health Plan, a health care plan that provides health service and medical coverage to all eligible students. It includes the following benefits: Student Health Service, 24-hour coverage, and generous coverage through preferred providers. The Student Health Plan provides a broad range of medical coverage but does not provide dental or vision coverage.

Student Health Service

Professional services are rendered by the Student Health Service, which provides basic care to students. The Student Health Service is located in the Center for Health Promotion in Evans Hall, corner of Stewart and Anderson streets. The hours are 8 A.M.–5 P.M. Monday through Thursday, 8 A.M.–2 P.M. on Friday.

Supplementary medical-coverage policy

The Student Health Plan is an “excess” policy and only supplements other medical plans that provide benefits to the student. The student first obtains direct-provider payment, or reimbursement for out-of-pocket payments, from all other medical plans that provide benefits for the student; only then does the student submit bills to the Student Health Plan for any remaining balance not covered by the other plans. The student must, therefore, follow all rules of his/her primary

insurance in obtaining medical treatment. The student should contact the primary carrier to determine what procedure to follow.

Eligibility

The Student Health Plan automatically covers all full-time students at Loma Linda University in any clinical or academic program. Students are covered when enrolled for 7 units or more per quarter (or clock-hour equivalent, as defined by each School) for which Loma Linda University is receiving tuition and applicable fees (excluding load validation, “in progress” [IP] units, “employee tuition benefit” units, and “audit” units).

Students enrolled for field practicum are eligible for coverage if registered for at least 240 hours per quarter.

Coverage during clinical/rotations

Students who are accidentally injured while performing their clinical rotation duties do not have to pay their co-payment. If a covered student is doing a school-sponsored clinical or rotation out of the area and becomes ill or injured, any health service and medical care received that is covered by the Student Health Plan will still be covered as if the student were in the Loma Linda area.

Effective coverage date

An eligible student's coverage becomes effective on the day of orientation or the first day of class. Any purchased benefits will become effective on the day the Department of Risk Management receives the health plan application and payment within the open enrollment period, which is only the first two weeks of each calendar quarter.

Buy-in provision only during open enrollment

Eligible students are themselves automatically covered by the plan; however, noneligible students—those on summer break and part-time students (e.g., in a clinical program but enrolled for fewer than 7 paid units)—may, if they wish, purchase coverage.

Those wishing to buy in may enroll in the Student Health Plan only during the first two weeks of each new calendar quarter—that is, during the first two weeks of January, April, July, and October.

An eligible student may buy Student Health Plan coverage benefits for his/her spouse and/or dependent child(ren). Eligible dependents are the spouse (residing with the insured student) and his/her never-married child(ren) under nineteen years of age, or never-married child(ren) under twenty-four years of age who are full-time student(s), or never-married children under twenty-seven years of age who are full-time graduate student(s).

If a new spouse or eligible dependent is added to the household of a covered student after the two-week enrollment period, then the student has a thirty-day grace period (after the wedding or

after the birth, etc.) in which to buy coverage for the new spouse or new dependent; however, the coverage must be purchased for the entire quarter in which this new status occurred.

Buy-in rates per quarter are:

\$250 Part-time student

\$320 One dependent

\$600 Two or more dependents

Neither Student Finance nor the Department of Risk Management bills the student's account or sends out reminders. Funds received for buy-in coverage must be in the form of a check or money order (payable to the Department of Risk Management).

Coverage exclusion for "pre-existing" condition

If a student or patient has not maintained a continuous "creditable coverage" under another health plan during the twelve months prior to the coverage effective date, the following pre-existing-condition exclusion will apply.

This plan will not cover any medical condition, illness, or injury for which medical advice, diagnosis, care, or treatment was recommended or received by the student or patient during the six months prior to the effective date of health plan coverage. This exclusion will apply for twelve months from the student's coverage effective date, unless such an individual remains treatment free during the six-month term beginning with the effective date of coverage. If the individual remains treatment free during the six-month term, the pre-existing condition exclusion will apply only during that six-month period. This exclusion will not apply to pregnancy-related medical expenses or to medical treatment for a newborn or adopted child.

Preferred-provider plan, prescriptions, annual term, benefit limits

The Student Health Plan is a preferred-provider plan. A list of preferred physicians and preferred medical facilities is available from Risk Management.

For local students the Student Health Plan covers only those prescriptions purchased through the Loma Linda Campus Pharmacy and/or the Loma Linda University Medical Center Pharmacy. The student co-pays \$10 for generic or \$20 for brand-name prescriptions; the Student Health Plan covers the balance for up to a 30-day supply per prescription.

The annual benefits apply per academic year, July 1 through June 30.

The Student Health Plan will pay medical expenses incurred subject to plan parameters to an annual limit of \$100,000.

Benefits are limited by the terms and conditions set forth in the Student Health Plan booklet. The booklet is available from the Loma Linda University Department of Risk Management. For additional health plan information, phone the Department of Risk Management at 909/558-4386.

MALPRACTICE INSURANCE

Students are covered by malpractice insurance while acting within the course and scope of any approved clinical assignment. All full-time students at Loma Linda University in any clinical educational program are covered by the Student Health Plan. This plan provides coverage twenty-four hours per day while the student is enrolled at the University. The Student Health Plan waives the deductible and co-payment for accidental injury for students in clinical rotation.

DISABILITY INSURANCE PLAN

All School of Medicine students are automatically enrolled in a disability insurance program while registered in the School. This program provides limited disability insurance for students while in the program and also allows for conversion to an individual disability insurance policy at the time of graduation. Details of this program are available in the School of Medicine office of the assistant dean for administrative affairs.

GOVERNING PRACTICES

Residence hall

The School is coeducational and accepts both single and married students. Any single student who prefers to live on campus may do so.

Students are expected to live on campus unless they are:

- married,
- twenty-one years of age or older,
- in a graduate program, or
- living with their parents.

Students who wish to live off campus but who do not meet one of the foregoing requirements may petition the dean of students for an exception. This should be done well in advance of registration to allow the student adequate time to plan. Additional information about campus housing can be obtained from the University's dean of students.

The student must keep the assistant dean for administrative affairs informed of his or her current address and telephone number and other contact numbers.

Marriage

A student who marries or changes marital status during the academic year must give the Office of the Dean advance written notice in order to keep the School's records correct and up to date.

Personal appearance

Students in the classroom or clinical environment must exhibit personal grooming consistent with expectations of the health care institution, the profession, the School, and the University. Specific guidelines are provided by the School.

Personal property

The School assumes no responsibility for the loss of the student's personal property, instruments, or other items by theft, fire, or unknown causes. The student is expected to assume responsibility for the safekeeping of personal belongings.

Criminal background check

Some clinical affiliation sites require personal background checks on students; these checks must be completed thirty days prior to clinical placement. The checks can be processed through University Security. The student will be informed when a facility requests a background check and will be charged an appropriate fee.

Cars and transportation

Students are responsible for transportation arrangements and costs for off-campus assignments and clinical affiliations. All vehicles used to transport fellow students for off-campus assignments must be registered with Campus Security and must have adequate public liability insurance—a minimum of \$100,000 bodily injury and property damage liability.

Student identification card

All students will be assigned University ID numbers and issued student ID cards. The University student ID card will be used for library, health, and other services.

In some cases, students are also required to have Medical Center ID badges. Information regarding this requirement can be obtained from the Office of the Dean of the School.

Substance abuse

Loma Linda University is committed to providing a learning environment conducive to the fullest possible human development. Because the University holds that a lifestyle that is drug, alcohol, and tobacco free is essential for achieving this goal, it maintains policies that seek a campus environment free of these substances. Students are expected to refrain from substance abuse while enrolled at the University. Substance abuse is considered to be any use of tobacco, alcohol, prescription or nonprescription drugs, or other mood-altering substance which impairs the appropriate functioning of the student. The School offers counseling and other redemptive programs to assist in the recovery from substance dependence or abuse. Continuation with the University will be dependent upon the abuser appropriately utilizing these programs. Failure to comply with these policies will result in discipline up to and including expulsion and, if appropriate, notification of law-enforcement agencies for prosecution.

Sexual harassment

Sexual harassment is reprehensible and will not be tolerated by the University. It subverts the mission of the University and threatens the

careers, educational experience, and well-being of students, faculty, employees, and patients.

Because of the sensitive nature of situations involving sexual harassment and to assure speedy and confidential resolution of these issues, students should contact one of the School's designated, trained sexual harassment ombudspersons.

A more comprehensive statement of the policy regarding sexual harassment can be found in the University *Student Handbook*, pp. 95-99.

Dismissal, grievance

Students who are involved in dismissal proceedings or who wish to file a grievance are referred to the grievance procedure as outlined—

1. in the **Student Life** section of this BULLETIN (see FROM UNIVERSITY TO STUDENT, par. 3); and
2. in the School section of the *Student Handbook*.

Employment

It is recommended that students refrain from assuming work obligations that divert time, attention, and strength from the arduous task of training in their chosen career. A student wishing to work during the school year may petition for permission from the Office of the Dean. The decision of the Office of the Dean regarding such an employment request will be based on grades, class load, health, and School policy.

Weekend assignment

From the day of enrollment in the School of Medicine, students are considered to be junior colleagues in the medical profession. They are an integral part of the treatment team. Becoming a physician includes learning to accept responsibility for one's patients 24 hours a day, 7 days a week, 365 days a year—except when alternatives for coverage have been arranged. In order to meet patients' needs and as part of the educational program, students may be required to provide care for their patients on Sabbath.

STUDENT ORGANIZATIONS

The purpose of Loma Linda University School of Medicine student organizations is to:

- encourage high Christian ideals among medical students.
- involve medical students in developing and furthering their education.
- enhance involvement in and loyalty to Loma Linda University.
- unite medical students to seek constructive solutions to problems.
- foster leadership among medical students.

At registration into the School of Medicine, students automatically become members of the School of Medicine Student Association. Other student organizations that operate within the

School of Medicine and that are represented on the School of Medicine Senate include the following:

- The American Medical Association-Medical Student Section (AMA-MSS), Loma Linda University Chapter
- The American Medical Student Association (AMSA), Loma Linda University Chapter
- The Christian Medical and Dental Society (CMDs)
- The Organization of Student Representatives (OSR) to the AAMC
- Women in Medicine /American Medical Woman's Association (AMWA), Student Chapter

AMSA

Membership in the School of Medicine's local chapter of the American Medical Student Association is open to all students in the School.

AWARDS

Wil Alexander Whole-Person Care Award

This monetary award is given to two senior medical students who have demonstrated to their peers and colleagues during their clinical years a growing excellence in the physical, mental, emotional, relational, and spiritual care of their patients as part of the art of medical practice.

Alpha Omega Alpha

Students are recommended for membership in the national honor medical society, Alpha Omega Alpha. This honor is extended to students in the third and fourth years. Membership is determined based on scholastic, professional, and personal performance. The School of Medicine was granted a charter April 1, 1957, for establishing the Epsilon Chapter.

American Medical Women's Association

This award is presented based on demonstrated professional competence and promise of professional achievement.

Chinnock Award

The Robert F. Chinnock Award is presented at the end of the senior year to a student who has been outstanding in clinical and academic pediatrics.

Comstock Award

The Comstock Award is given annually to the senior student with the most distinguished performance in internal medicine. Selection is based on scholarship, science interest and skill, devotion to patient care, and personal attributes of dependability and integrity as demonstrated by the physician for whom the award is named, Daniel D. Comstock.

Griggs Award

The Griggs Award is presented annually to a senior student selected for meritorious scholarship and service reflecting those qualities demonstrated by the physician and teacher for whom the award is named, Donald E. Griggs.

Hinshaw Award

The Hinshaw Award, named for David B. Hinshaw, Sr., is presented annually to a senior student who has demonstrated outstanding qualities of leadership and scholarship.

Hoxie Award

The Hoxie Award is presented annually by the Department of Medicine to a senior student whose meritorious scholarship and service reflect those qualities demonstrated by the physician and teacher for whom the award is named, Harold J. Hoxie.

Benjamin Kovitz Award

This award is presented to a senior medical student who has demonstrated qualities of leadership and scholarship in the field of psychiatry.

Walter P. Ordelheide Award

The Ordelheide Award is given annually to a senior student who has demonstrated outstanding scholarship and leadership and who has fostered the promotion and advancement of family medicine.

President's Award

The President's Award, established in 1960, is presented annually in recognition of superior scholastic attainment and active participation in the student community, within the framework of Christian commitment. One recipient is selected from each school of the University.

Harold F. Ziprick Award

This award is presented annually by the Department of Gynecology and Obstetrics to a senior student in recognition of overall academic achievement and clinical performance in gynecology and obstetrics, as demonstrated by the physician and teacher for whom the award is named.



Academic Practices and General Regulations

Loma Linda University School of Medicine was established to provide education of future physicians in an atmosphere in which basic Christian values are honored. The rigorous academic expectations of the institution are consistent with the example of personal excellence embodied in the Christian tradition. Although no religious test is applied, students are expected to respect the standards and ideals of this church-related University. Application to and enrollment in the University constitute the student's commitment to honor and abide by the academic, nonacademic, and social practices, policies, and regulations of the University. These policies are found in BULLETINS, handbooks, announcements, and other published materials. In addition, students are expected to display conduct that is mature and compatible with the University's function as an institution of higher learning and the University's sponsorship by the Seventh-day Adventist church.

The academic progress of each student is monitored by the Academic Review Committee. Specific policies for handling misconduct (academic or nonacademic) are published in the *Student Handbook*.

GENERAL POLICIES

Registration

The student must register on or prior to the date designated by the School of Medicine. Registration procedure includes recording information on forms furnished by the Office of University Records, clearing financial arrangements with Student Finance (including all past accounts), completing requirements of the Student Health Service, and having a student-identification picture taken.

Late registration is permissible only in case of compelling reason, and a charge is made if registration is completed after the designated dates. The student shall not attend classes without being registered.

Classification

The student who has satisfied all prerequisites and who is registered for a standard curriculum leading to a degree or certificate is classified as a regular student of the University. The student who is permitted to remove qualitative or quantitative deficiencies in order to qualify or requalify for regular standing is classified as a provisional student during the transition period. Because of limitations of space and personnel resources, the

School of Medicine does not make provision for students to enroll as special, unclassified, or audit students.

Attendance

Regular attendance is expected beginning with the first day of each term and is inclusive of all instructional appointments and assemblies. Negligence relative to appointments may be referred to the Office of the Dean for consideration and action.

Chapel

Attendance is required of all freshman and sophomore medical students at the Wednesday morning chapel, as specified in the Student Handbook.

Communications

Communications to the medical student regarding academic and clinical assignments, scholarship opportunities, and other important information are routed through the Office of the Dean. The student mailboxes and bulletin board are in the School's administrative area, located in the Medical Center. It is the responsibility of students to check their email and mailboxes and the bulletin board daily.

REQUIRED SUPPLIES

Microscope

The student is expected to have access to a satisfactory compound microscope (usually one rented from the School) that meets the following requirements:

- The microscope shall be no older than fifteen years.
- The lenses shall be in good condition and shall include scanning and oil-immersion objectives.
- The equipment shall include an Abbe condenser with rack and pinion adjustment, an iris diaphragm, and a mechanical stage.

Textbooks

Students are expected to provide themselves with the textbooks recommended each academic year of the curriculum.

Instruments

The instruments to be acquired include the following: dissection instruments, flashlight, sphygmomanometer, otoscope and ophthalmoscope, percussion hammer, steel tape (inch and centimeter graduation), stethoscope, and tuning fork.

PRACTICES AND REGULATIONS

Length of academic residence

To fulfill the degree requirement pertaining to length of academic residence, it is the usual policy that the student must be registered for full-time course work during the entire junior and senior academic years for the Doctor of Medicine degree.

Course exemptions

Students who seek exemption from registering for courses that they took prior to entering the School of Medicine must qualify for the exemption by passing a comprehensive examination covering the course material in question.

Should the student qualify, in lieu of the regular course the student will be required to participate in an advanced program that may include additional studies, research activities, and/or teaching. A written paper will be required from all students completing the advanced program.

The course director, the Office of Educational Affairs, and the student will work together to determine the content of the advanced program. Full tuition, equivalent to that of the regular program, will be charged.

Examinations

Students are required to take examinations at the scheduled time. Students will be denied entrance once the examination has officially started.

Should a student miss an examination because of an excused absence, the examination cannot be made up at a later time. Instead, the

comprehensive final examination in the course for which the missed examination occurred will be weighted an amount extra, proportional to the weighting of the missed examination(s). In addition, course directors may require other remediation at their discretion.

In order to have an excused absence, the student must get a written excuse from the dean's office prior to the administration of the test in question. This written excuse must then be provided to the course coordinators. Students missing examinations for health reasons must provide documentation from Student Health that they were indeed ill. Whether or not this documentation is an adequate excuse for missing a test will be left to the discretion of the dean's office.

Students who miss examinations without prior approval from the dean's office have an unexcused absence. As a result, the student will receive a zero for the missed examination(s).

In the event of a bona fide emergency, where prior approval is not feasible, the dean's office must be contacted as soon as possible. Failure to do so will result in an unexcused absence.

Grading policy

Course coordinators submit grades at the end of the course, indicating the overall evaluation of the student's performance in the course. The grade will reflect the success or failure of the student in meeting the objectives of the course in terms of knowledge, skills, attitudes, and values. The evaluation of the student will be recorded as SATISFACTORY if the student exceeded the minimum requirements for overall performance. The grade assigned will be SATISFACTORY if the student did not meet the minimum requirements for overall performance. The grade assigned will be MARGINAL PASS if the student met but did not exceed the minimum requirements for overall performance.

Complete promotion and retention policies are distributed to each class at orientation.

Class standing

Class standing for each course is developed by the course and is merged with standing from other courses to calculate cumulative class standings.

Promotion

Promotion is contingent on satisfactory academic performance. Both cognitive and noncognitive (including personal suitability to assume the responsibilities of the medical profession) evaluations of academic performance are utilized in making promotion decisions. The Academic Review Committee of the School of Medicine periodically reviews student performance and progress and recommends promotion, retention, or dismissal on the basis of the overall academic record. The *Student Handbook* contains additional details regarding the criteria used by the Academic Review Committee for promotion decisions.

Withdrawal

To withdraw from a course(s), the student must complete a Change of Program form; to completely withdraw from school, a Total Withdrawal form must be completed. These forms should be completed and submitted on the last day of class attendance. The date of withdrawal used in calculating tuition refunds will be the date on which the properly completed form is submitted to the Office of University Records.

USMLE Steps I and II policy

States vary in the number of times a student can attempt USMLE examinations and still be eligible for licensure. A significant number of states allow no more than three attempts. The school has defined its own limits for number of attempts allowed. Our policy requires students enrolled in the Loma Linda University School of Medicine to pass Step I in no more than three tries.

Students must complete the clinical course work required for graduation within three years of starting the clinical curriculum; they are permitted a maximum of four sequential attempts to pass Step II of the USMLE. The student's first attempt at passing Step II of the USMLE must take place only after s/he has satisfactorily passed all junior clerkships and prior to his/her completion of all required senior clinical course work.

A student who has failed Step II but who has completed all course curriculum requirements must remain enrolled in the School of Medicine as a directed-study student until s/he either has passed Step II of the USMLE or failed Step II of the USMLE for the fourth time. During this directed study, the student will be charged tuition.

LICENSING EXAMINATIONS**National**

The graduate who holds credentials from the USMLE may be granted a license by endorsement of the examining board of most states. Additional requirements made by some states are given in a pamphlet that may be obtained from the Office of the Dean or from the Federation of State Medical Boards, 400 Fuller Wiser Road, Suite 300, Eules, TX 76039-3855.

State

Graduates are eligible to take the examination given by the Medical Board of California. Information regarding the examination may be obtained from the Office of the Dean or from the Medical Board of California, 1430 Howe Street, Sacramento, CA 95825.

DOCTOR OF MEDICINE DEGREE

The School of Medicine requires that a candidate must have met the following requirements for the Doctor of Medicine degree:

- Completed all requirements for admission.
- Attended an accredited medical school for four academic years, the last two of which must have been spent at this School.
- Completed honorably all requirements of the curriculum, including specified attendance, level of scholarship, length of academic residence, and credit units.
- Completed additional special examinations covering any or all subjects of the medical curriculum as may be required.
- Successfully completed USMLE examinations (Steps I and II), as specified.
- Given evidence of moral character, of due regard for Christian citizenship, and of consistent responsiveness to the established aims of the University and of the School.
- Discharged financial obligations to the University.

The candidate is required to participate in graduation exercises upon completion of the academic program. If the candidate is out of sequence with his/her current class but would like to participate in the commencement exercises, s/he must have completed a minimum of three months of the required senior clerkships, i.e., medicine, surgery, pediatrics, gynecology/obstetrics, family medicine, neurology, ambulatory care, and intensive care/emergency medicine by April 1 of the year of graduation. Consent for the student to be absent, granted by the president of the University, is contingent on the recommendation of the dean to the president.

The families and friends of graduates are invited to be present at the official Conferring of Degrees service.

POSTGRADUATE TRAINING

In harmony with the needs of medicine today, the curriculum leading to the Doctor of Medicine degree is planned with the assumption that all students will take standard postgraduate training in one of the fields of medicine. This means serving as a resident for a minimum of three years in a hospital approved for this training by the Council of Medical Education and Hospitals of the American Medical Association.

The Office of the Dean supplies information and assistance for the arrangement of residencies. Since the School participates in the National Residency Matching Program, selection through this means constitutes approval by the School of Medicine.

Financial Information

GENERAL PRACTICES

The student is expected to arrange for financial resources to cover his/her expenses before the beginning of each year. Tuition is due and payable in full before or at the time of initial registration each academic quarter and at the subsequent posted dates. At matriculation, the first quarter's tuition deposit is due at registration and must be paid in cash or financial aid awards. In subsequent quarters, failure to apply for financial aid at least thirty days in advance of registration day will result in a \$50 late-payment fee in addition to any interest due.

FINANCIAL POLICIES

Advance payment and refunds

Tuition and fees are payable in full at the beginning of each term. For refund policy information, consult Student Finance.

Students who have their loans (e.g., Stafford) pending (not yet received) at the time of registration and who have not applied for these at least thirty days prior to registration or have not paid the balance due at registration will be assessed a \$50 late-payment fee.

Monthly statement

The amount of the monthly statement is due and payable in full within thirty days after presentation. An account that is more than thirty days past due is subject to a service charge of .833 percent per month (10 percent per year). Failure to pay scheduled charges or make proper arrangements, which is reported to the dean, may cause the student to be discontinued.

Financial clearance

The student is expected to keep a clear financial status at all times. Financial clearance must be obtained each term; before receiving a certificate or diploma; or before requesting a transcript, statement of completion, or other certification to be issued to any person, organization, or professional board. To obtain financial clearance from the Student Finance Office, the student must have a zero (0) balance due on account.

In order for a student who is enrolled for less than half time to obtain financial clearance, s/he must be current on all loan account payments and must have fully completed a loan exit interview.

Checks

Checks should be made payable to Loma Linda University and should show the student's name and identification number to ensure that the correct account is credited. If a check is returned, a \$10 returned check fee will be assessed.

Veterans

A student eligible to receive veteran's benefits under the current enactment should (a) contact the Office of University Records within the first week following registration, and (b) have a certificate of eligibility sent to the Office of Admissions and Records at Loma Linda University.

In order for a medical student to be eligible to receive educational assistance from the Department of Veteran's Affairs, s/he must maintain a satisfactory grade for all required courses in the School of Medicine for the year that s/he is currently enrolled. If the student's grades reflect unsatisfactory progress, the student will not be certified for the Department of Veteran's Affairs educational benefits until his/her probationary status (usually one year) has been removed and s/he is certified to be in good and regular standing.

SCHEDULE OF CHARGES 1999-2000, 2000-2001

TUITION

\$27,124	Full time, 1999-2000
\$27,990	Full time, 2000-2001
\$6,781	Full time, per quarter, 1999-2000
\$6,781	Full time, per quarter, 2000-2001

FEES

\$110	Graduation fee, seniors
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SUPPLIES AND INSTRUMENTS (estimated)

\$2,000	Per calendar year
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LIVING EXPENSES (estimated)

\$7,040	Off-campus student living with parent or relative, per school calendar year 1999-2000
\$7,040	Off-campus student living with parent or relative, per school calendar year 2000-2001
\$10,230	Dormitory student, per calendar year 1999-2000
\$10,230	Dormitory student, per calendar year 2000-2001
\$12,485	Community student providing own housing, per calendar year, 1999-2000
\$12,485	Community student providing own housing, per calendar year, 2000-2001

SPECIAL CHARGES

\$55	Supplemental application (non-refundable), in addition to AMCAS fee
\$100	Acceptance deposit
\$50	Late-payment fee
\$10	Late financial charge (beginning second week after published registration date)
cost	Health care items not covered by health fee or insurance
cost	Library fine or loss, parking fine, property breakage or loss
cost	Health coverage for spouse and family
\$50	Late registration (beginning first day after published registration date, plus \$3 per additional day)
\$10	Returned-check fee

STUDENT FINANCIAL AID

Student inquiries about loans from the University, private and federal government funds, and other financial-aid matters may be made in writing to: Financial Aid Adviser, Office of Financial Aid, Loma Linda University, Loma Linda, CA 92350; or by telephone, 909/558-4509 or 800/422-4558. To be considered for University-based aid, the student must complete the graduate financial aid application available from the Office of Financial Aid. Priority deadline is April 15 for the following academic year.

Sponsors

Some students are sponsored by friends, relatives, or nonrelatives. In some cases the University disburses the funds, while in others the sponsors aid the students directly. Contact the aid adviser for more information.

WICHE

The University participates in the student exchange program of the Western Interstate Commission for Higher Education (WICHE). Eligibility requirements vary from state to state. The interested student should apply to his/her state's certifying officer for further information. The name and address of the certifying officer may be obtained from WICHE, University of Colorado, Boulder, CO 80302. Inquiry may also be made of the Office of Financial Aid. Application deadline is October 15 of the year preceding that for which admission is desired.

SCHOLARSHIPS/FELLOWSHIPS

Military

These support-for-service scholarships pay full tuition, required instruments, and other reasonable educational expenses; as well as provide a monthly stipend. For further information, contact the recruitment office of the army, navy, or air force at your earliest convenience.

Graduate fellowship

California residents who plan to teach should apply for this program, which is awarded based on need, scholastic ability, and future plans. Application deadline is March 2 for the following year. This grant is renewable for up to three years.

Medical scientist and combined-degrees fellowships

The School of Medicine has a limited number of competitive fellowships for students in the Medical Scientist Training and in the Combined-Degrees programs. Information may be obtained by writing to the Medical Scientist Training Program director, Loma Linda University.

III

THE DEPARTMENTS

Anesthesiology

Biochemistry and Microbiology

Emergency Medicine

Family Medicine

Gynecology and Obstetrics

Medicine

Neurology

Ophthalmology

Orthopaedic Surgery

Pathology and Human Anatomy

Pediatrics

Physical Medicine and Rehabilitation

Physiology and Pharmacology

Psychiatry

Public Health and Preventive Medicine

Radiation Medicine

Radiology

Surgery

The Departments

The Departments* of the School of Medicine strive to attain the overall objective—"To make man whole" physically, mentally, emotionally, and spiritually—through interaction between students and faculty in a caring, Christian atmosphere and through the various curricula that reveal belief in the efficacy of this objective.

The Loma Linda University School of Medicine curriculum is taught by approximately 600 full-time as well as part-time and voluntary faculty members in nineteen departments—three basic science departments; fourteen clinical departments; and two departments bridging basic sciences and clinical applications: pathology and human anatomy, and public health and preventive medicine.

The following pages will give a brief statement about each department as well as a listing of each department's various course offerings.

Information about the M.S. and Ph.D. graduate degree programs in the basic science Departments of Biochemistry, Microbiology, Pathology and Human Anatomy, and Physiology and Pharmacology can be obtained from the department chair of the specific program. These various programs are outlined in the BULLETIN of the Graduate School.

KEY TO CODES

Subject areas are indicated by code letters as follows:

ANAT	Human Anatomy
ANES	Anesthesiology
BCHM	Biochemistry
CMBL	Cell and Molecular Biology
DERM	Dermatology
EMDN	Emergency Medicine
FMDN	Family Medicine
GYOB	Gynecology and Obstetrics
MDCJ	Conjoint
MEDN	Medicine
MICR	Microbiology
NEUR	Neurology
NEUS	Neurosurgery
OPHM	Ophthalmology
ORTH	Orthopaedic Surgery
OTOL	Otolaryngology
PATH	Pathology
PEDS	Pediatrics

PHRM	Pharmacology
PMRH	Physical Medicine and Rehabilitation
PHSL	Physiology
PRVM	Public Health and Preventive Medicine
PSYT	Psychiatry
RADS	Radiology
RDMN	Radiation Medicine
SURG	Surgery
UROL	Urology

Schools are indicated by code letters as follows:

AH	School of Allied Health Professions
GS	Graduate School
PH	School of Public Health
SD or DN	School of Dentistry

*For convenience of reference, the departments of instruction are listed alphabetically.

ANESTHESIOLOGY

WAYNE K. JACOBSEN, Chair

ROBERT D. MARTIN, Vice Chair

DIVISIONS

CRITICAL CARE

GARY R. STIER, Head

PAIN CONTROL

LOWELL W. REYNOLDS, Head

The goals of the Department of Anesthesiology are to:

1. Provide necessary anesthesia, analgesia, pain control, and intensive care of the highest caliber and with Christian empathy to patients of Loma Linda University Medical Center and its affiliated facilities.

2. Educate medical students, dentists, and anesthesiology residents in the fields of anesthesia, critical care, and pain control.

3. Increase knowledge of the use of anesthetic and analgesic agents.

FACULTY

DISTINGUISHED PROFESSOR

Bernard D. Briggs

PROFESSORS

Martin W. Allard
 Roland C. Aloia, BCHM
 Richard L. Applegate II
 Floyd S. Brauer
 Burton A. Briggs, PEDS, SURG
 Daniel J. Cole
 Wayne K. Jacobsen, PEDS
 Robert D. Martin
 Linda J. Mason, PEDS
 James A. Meyer

EMERITUS CLINICAL PROFESSOR

Leslie Rendell-Baker

CLINICAL PROFESSOR

Bernard J. Brandstater

ASSOCIATE PROFESSORS

Donald Lynn Anderson
 Stanley D. Brauer
 Maureen H. Bull
 Thomas P. Engel, PHRM
 Monica M. Neumann

Randall M. Schell

Gary R. Stier

Linda I. Wat

EMERITUS ASSOCIATE CLINICAL PROFESSOR

Denis F. Lobo

ASSOCIATE CLINICAL PROFESSOR

Allen L. Brandt

ASSISTANT PROFESSORS

Sherif A. Azer
 George Cheng
 Deborah M. Chung
 Anne T. Cipta
 Carl E. Collier
 Elizabeth Ghazal
 Erlinda Guzon-Castro
 Richard K. Hamamura
 Anna L. Harris
 Robin Kim
 Penny Kimball-Johnson
 Carol A. Lau, PEDS
 Charles Lee
 Timothy Lowe
 Deborah McIvor
 Phebe E. Mosaad
 Can Thanh Ngo
 Lowell W. Reynolds, PMRH
 Abdul R. Samady

Michelle Schlunt
Kuldeep Singh
Shirley Tan
Teresa L. Thompson
Sidney E. Torres
Moheb S. Youssef

ASSISTANT CLINICAL PROFESSORS

Rebecca Patchin
B. B. Roberson
Victor J. Soloniuk
Donald L. Stilson

INSTRUCTOR

Jothi Gangolly

CLINICAL INSTRUCTOR

Samuel Loh

COURSES

SURG 821 Surgery Clerkship (100 hours participation)

Didactic and clinical instruction in the principles of resuscitation and life support. Supervised administration of general and regional anesthesia. Eight seminars.

ANES 891 Anesthesiology Elective (arranged)

BIOCHEMISTRY AND MICROBIOLOGY

BIOCHEMISTRY DIVISION

E. CLIFFORD HERRMANN, JR., Head (Acting Co-Chair)

MICROBIOLOGY DIVISION

JAMES D. KETTERING, Head (Acting Co-Chair)

BIOCHEMISTRY DIVISION

The primary objectives of the Department of Biochemistry are to:

1. Provide course work in biochemistry at levels appropriate for the various professional curricula.
2. Introduce students to applications of biochemistry that address problems in medicine, dentistry, nutrition, etc., so that they can understand the place of this discipline in each field.
3. Cooperate with colleagues in other areas at Loma Linda University, providing them with biochemical expertise to assist in their research projects or classroom instruction.
4. Offer a master's degree or Doctor of Philosophy degree in biochemistry to medical and dental professionals who have mastered biochemistry and demonstrated independent judgment and the skills essential to biomedical research. This course work can provide a foundation for the further academic training of some who will become biomedical educators of the future.
5. Conduct a high-quality graduate biochemistry program on a Seventh-day Adventist Christian campus for anyone who feels more comfortable in such an environment.
6. Conduct research in biochemistry that contributes to knowledge in biomedical sciences.

FACULTY

DISTINGUISHED PROFESSOR

David J. Baylink, MEDN, ORTH

PROFESSORS

Roland C. Aloia, ANES
 Richard E. Beltz
 Daila S. Gridley, MICR, RDMN
 George T. Javor, MICR
 Wolff M. Kirsch, NEUS
 John Leonora, #PHSL, MEDN
 William Langridge, MICR
 George M. Lessard
 Thomas A. Linkhart, PEDS
 W. Barton Rippon, GS
 John J. Rossi, MICR

Charles W. Slattery, PEDS

Barry L. Taylor, MICR

R. Bruce Wilcox

Anthony J. Zuccarelli, MICR

RESEARCH PROFESSORS

John R. Farley, MEDN
 David A. Hessinger, PHSL, PHRM
 Kin-Hing W. Lau, MEDN
 Subburaman Mohan, MEDN, PHSL
 Aladar Szalay
 Conrad M. Van Gent, MEDN

ASSOCIATE PROFESSORS

E. Clifford Herrmann
 William J. Pearce, PHSL

ASSOCIATE RESEARCH PROFESSORS

Shin Tai Chen,
Richard W. Hubbard, PATH
Donna D. Strong, MEDN, BCHM
Jon E. Wergedal, MEDN

ASSISTANT RESEARCH PROFESSOR

Satish M. Sood

RESEARCH INSTRUCTOR

Chiranjib Dasgupta

ADJUNCT ASSOCIATE PROFESSOR

Lawrence C. Sowers

COURSES

MDCJ 531, 532, 533 Cell Structure and Function SM (150 hours) (14)

Fully integrated, comprehensive course that develops knowledge and skills relating normal microscopic and submicroscopic anatomy to cellular biology, cellular physiology, and immunology. General pathology, the common thread for the course, familiarizes students with morphologic and functional changes affecting cells exposed to a variety of normal and, to a lesser extent, abnormal environments.

MDCJ 535, 536, 537 Medical Biochemistry, Molecular Biology, and Genetics (110 hours) (10)

Foundation courses—in conjunction with MDCJ 531, 533—for study of normal biology in the first-year curriculum. Comprehensive sequence in biochemistry and molecular biology establishes the biochemical basis for cell structure, emphasizes an integrated approach to understanding cellular metabolism, provides a biochemical/genetic/molecular basis for understanding disease, and examines the mechanisms for genetic information flow in prokaryotic and eukaryotic cells.

MDCJ 545, 546, 547 Medical Applications of the Basic Sciences (3, 2, 2)

Students solve clinical problems by using their medical knowledge and accessing appropriate learning resources. Independent and small-group activities help students identify their personal learning issues. A minimum of four hours per week in independent, self-directed learning activities.

BCHM 505 Seminar in Biochemistry (1)**BCHM 506 Seminar Presentation in Biochemistry (1)****BCHM 508 Principles of Biochemistry (6)**

Chemistry of amino acids and proteins. Enzyme properties and mechanisms. Bioenergetics. Chemistry and metabolism of carbohydrates, lipids, amino acids, and nucleic acids. Protein biosynthesis and the control of gene expression. Special topics in physiological chemistry: connective tissue components, acid-base balance, hormones, vitamins and minerals.

BCHM 523 Introduction to Physical Biochemistry (3)

Folding of globular and fibrous proteins, emphasizing the relationship between sequence, structure, and function. Biochemical thermodynamics and equilibria, with application to ligand/protein interaction. Multisubstrate enzyme kinetics. Enzyme mechanisms.

Prerequisite: BCHM 508, 515, or equivalent.

BCHM 525 Metabolic Interrelationships and Control (5)

Structure, function, and control of enzymes. Control of energy metabolism. Cellular mechanisms of hormone action.

BCHM 527 Molecular Biology of the Cell (8)

Identical to CMBL 502.

Crosslisting: CMBL 502; MICR 539.

Prerequisite: BCHM 508 or CMBL 501.

BCHM 534 Techniques of Biochemistry (5)

Intensive, integrated laboratory experience in protein chemistry and the physical characterization of macromolecules. Writing scientific papers.

BCHM 544 Advanced Topics in Biochemistry (arranged) (2-4).

Examples: membrane biochemistry, transport and bioenergetics, physical methods in biochemistry, metabolic regulation, protein structure, hormonal regulation of metabolism.

Crosslisting: CMBL 538; BIOL 546; MICR 538.

BCHM 551 Special Problems in Biochemistry (arranged)**BCHM 697 Research (arranged)****BCHM 698 Thesis (arranged)****BCHM 699 Dissertation (arranged)****BCHM 891 Biochemistry Elective (arranged)**

MICROBIOLOGY DIVISION

The goals of the Department of Microbiology are to:

1. Enable medical, dental, and graduate students to develop an expertise in microbiology and infectious diseases.
2. Conduct and publish research in the field of microbiology.
3. Consult and participate professionally with all of the School's basic science and clinical departments.

FACULTY

EMERITUS PROFESSORS

Leonard R. Bullas
Raymond E. Ryckman
Edward D. Wagner

PROFESSORS

Harvey A. Elder, MEDN
Istvan Fodor
Daila S. Gridley, RDMN, BCHM
George T. Javor, BCHM
James D. Kettering
William Langridge, BCHM
Benjamin H. S. Lau
John E. Lewis, MEDN, PATH
Yiming Li, SD
Michael B. Lilly, MEDN
Sandra Nehlsen-Cannarella, PATH, SURG
Barry L. Taylor, BCHM
Anthony J. Zuccarelli, BCHM

ASSOCIATE PROFESSORS

Lora M. Green, MEDN
Ira Roy
Junichi Ryu

ASSOCIATE RESEARCH PROFESSORS

Mark Johnson
Giuseppe Molinaro, PATH
Donna D. Strong, MEDN, BCHM

ASSISTANT PROFESSORS

Carlos A. Casiano
William C. Eby
Alan P. Escher
Hansel M. Fletcher
Igor B. Jouline

INSTRUCTOR

Sandra Hilliker

ADJUNCT RESEARCH PROFESSOR

John J. Rossi, BCHM

ADJUNCT ASSOCIATE RESEARCH PROFESSORS

Edouard Cantin
Ren Jang Lin

ADJUNCT RESEARCH ASSISTANT PROFESSOR

Daniela Castanotto

COURSES

MEDICINE

MICR 511 Medical Microbiology SM (7)

Systematic study of microorganisms of medical importance, pathogenic mechanisms, host-parasite relationships, and methods of identification.

MICR 599 Directed Study (240 hours)**MICR 891 Microbiology Elective (arranged)****MDCJ 514 Immunology SM (27 hours) (2.5)**

Medical immunology, with emphasis on the cellular, humoral, and molecular components of the immune system. Immune responses associated with host defense and disease processes. Immunologic techniques related to the practice of other basic and clinical sciences.

Crosslisting: MDCJ 543; MICR 520.

MDCJ 531, 532, 533 Cell Structure and Function SM (150 hours) (14)

Fully integrated, comprehensive course that develops knowledge and skills relating normal microscopic and submicroscopic anatomy to cellular biology, cellular physiology, and immunology. General pathology, the common thread for the course, familiarizes students with morphologic and functional changes affecting cells exposed to a variety of normal and, to a lesser extent, abnormal environments. and eukaryotic cells.

MDCJ 535, 536, 537 Medical Biochemistry, Molecular Biology, and Genetics (10)

Foundation courses—in conjunction with MDCJ 531, 533—for study of normal biology in the first-year curriculum. Comprehensive sequence in biochemistry and molecular biology establishes the biochemical basis for cell structure, emphasizes an integrated approach to the understanding of cellular metabolism, provides a biochemical/genetic/molecular basis for understanding disease, and examines the mechanisms for genetic information flow in prokaryotic

MDCJ 545, 546, 547 Medical Applications of the Basic Sciences (3, 2, 2)

Students solve clinical problems by using their medical knowledge and accessing appropriate learning resources. Independent and small-group activities help students identify their personal learning issues. A minimum of four hours per week in independent, self-directed learning activities.

GRADUATE

The following courses are offered in fulfillment of requirements for the Master of Science and the Doctor of Philosophy degrees in microbiology. This program is outlined in the BULLETIN of the Graduate School.

MICR 501 Principles of Microbiology DN (3.5)

Fundamental course for dentists, emphasizing the techniques and concepts of microbiology. Principles of infection and immunity. Systematic study of microorganisms pathogenic for man. Infectious diseases taught in cooperation with the Department of Oral Medicine. Emphasis on dental applications.

MICR 503 Dental Immunology (2)**MICR 520 Medical Immunology (2.5)**

Introduction to medical immunology. Identical to MDCJ 514. Graduate students must register for this course.

MICR 521 Medical Microbiology (8)

Fundamental techniques and concepts of microbiology. Identical to MICR 511. Graduate students must register for this course.

Descriptions for the following courses are found in the Graduate School BULLETIN.

MICR 530 Introduction to Graduate Immunology (3)**MICR 531 Biological Membranes (3)****MICR 534 Microbial Physiology (3)****MICR 536 Laboratory in Gene Transfer and Gene Expression (4)****MICR 537 Selected Topics in Molecular Biology (2)****MICR 539 Molecular Biology of Prokaryotes and Eukaryotes (8)****MICR 545 Molecular Biology Techniques, Laboratory (4)****MICR 546 Advanced Immunology (4)****MICR 565 Virology (3)****MICR 566 Cell Culture (3)****MICR 604 Seminar in Microbiology (1)****MICR 605 Colloquium (1)****MICR 606 Graduate Seminar (1)****MICR 624 Special Problems in Microbiology (2-4)****MICR 625 Independent Study in Microbiology Literature (2-4)****MICR 626 Special Topics in Microbiology (2-4)****MICR 634 Clinical Microbiology Practicum (4)****MICR 697 Research (1-8)****MICR 698 Thesis (1-3)****MICR 699 Dissertation (1-3)**

EMERGENCY MEDICINE

WILLIAM A. WITTLAKE, Chair

The philosophy of the Department of Emergency Medicine centers on a commitment to quality in its service, teaching, and research missions. This department functions as a “crossroads” interface between the community and the medical center services, providing a point of access to medical care for many people who are seriously and unexpectedly ill and whose condition may be compromised by geographic isolation and socioeconomic disadvantage.

The objectives of the department are to:

1. Provide and coordinate cost-effective, empathic, and compassionate prehospital, emergency, and trauma services of excellent quality.
2. Support and contribute to the achievement of medical-education competency for all categories of emergency-care professionals.
3. Develop initiatives that promote increased understanding of and improved techniques and skills in emergency-care practice, heighten positive perception of this specialty, and contribute to quality research in this area.
4. Promote teamwork skills among the various services and professionals comprising the emergency medical system.

FACULTY

PROFESSORS

Richard E. Chinnock, PEDS
Steven M. Green
Ronald M. Perkin, PEDS

ASSOCIATE PROFESSORS

Richard D. Catalano, SURG
Stephen W. Corbett
Bruce S. Heischober, PEDS
Clare M. Sheridan, PEDS
Tamara L. Thomas
William A. Wittlake
Thomas J. Zirkle, SURG

ASSISTANT PROFESSORS

Sean P. Bush
Tony Chow
Samuel C. Chua
Linda Daniel-Underwood
Bernard W. Dannenberg, PEDS
David M. Englander
Paul A. L. Giem
Jeffrey T. Grange
Melvyn L. Harris

Curtis M. Jensen
Grace J. Kim
Victor D. Levine
E. Lea Lynch
John C. Naftel
Brett S. Nelson
Humberto R. Ochoa
Mark G. Richmond
Esther M. Sewell
Thomas S. Sherwin
Mark E. Thomas
Samuel G. Wilson

ASSISTANT CLINICAL PROFESSORS

Nader A. Abas
Patricia L. James
John S. Jones
James E. Keany, Jr.
Aqeel S. Khan
R. Daniel Luther
Timothy P. Nesper
Steven G. Rothrock

INSTRUCTORS

Richard J. Hoffner
Eric Siedenburg
Daved W. van Stralen, PEDS

COURSES

SURG 821 Surgery Clerkship (100 hours participation)

EMDN 821 Emergency Medicine Clerkship (120 hours)

Two-week required rotation of seven eight-hour emergency department (ED) shifts. A variety of Loma Linda University Community Hospital ED, Loma Linda University Medical Center ED, Loma Linda University Children's Hospital ED shifts (pediatric side); and an administrative shift—including time in the radio room, on the triage desk, and with the transport nurse. Didactic sessions include attendance at emergency medicine residency conferences and grand rounds, and one-on-one learning experience with the senior administrative resident each Monday morning. Also included are hands-on suture lab, EKG reading tutorial, and case studies in reading common emergency radiographs.

EMDN 891 Emergency Medicine Elective (arranged)

Two-week or four-week rotation of four eight-hour emergency department (ED) shifts weekly. Shifts include a variety of Loma Linda University Community Hospital ED, Loma Linda University Medical Center ED, Loma Linda University Children's Hospital ED shifts (pediatric side); and an administrative shift—including time in the radio room, on the triage desk, and with the transport nurse. Didactic sessions include attendance at emergency medicine residency conferences and grand rounds, and one-on-one learning experience with the senior administrative resident each Monday morning. Also included are a hands-on suture lab, EKG reading tutorial, and case studies in reading common emergency radiographs.

EMDN 892 Emergency Medicine Research Clerkship (240 hours)



FAMILY MEDICINE

JOHN K. TESTERMAN, Chair

The objectives of the Department of Family Medicine are to:

1. Provide medical students and residents with the highest level of training in the specialty of family medicine.
2. Help undergraduate students develop the skills to provide continuing and comprehensive health care for individuals and families.
3. Help students gain an appreciation for the breadth of family practice—which integrates the biological, clinical, and behavioral sciences in whole-person care.
4. Teach students that the scope of family practice encompasses health maintenance as well as all disease entities as they may affect all ages, both sexes, and each organ system.
5. Introduce students to family-physician role models so that students will be able to make an informed choice regarding family medicine as a career option.
6. Show medical students a perspective of the health care system and the process of patient intake at the primary level, which includes a clinical experience to evaluate and manage a number of common medical problems seen in the ambulatory setting.

FACULTY

EMERITUS PROFESSOR

Raymond O. West

PROFESSORS

Wil Alexander
Robert D. Orr

ASSOCIATE PROFESSORS

Barbara L. Orr
John K. Testerman
Leonard S. Werner, MEDN, PHSL/PHRM
Jack Yu

ASSOCIATE RESEARCH PROFESSOR

Kelly Morton

ASSOCIATE CLINICAL PROFESSORS

Mary E. Ferris
Timothy E. Neufeld

ASSISTANT PROFESSORS

Y. Paul Aoyagi
Daniel Castro, MEDN
Debra D. Craig, MEDN
Janet A. Cunningham
Dennis DeLeon
Linda Deppe
Linda H. Ferry, PRVM
John Fleming

Benny Hau
Helen P. Hopp-Marshak, PH
Richard Kim
Robert Mattos
Richard L. Milholm
Gina J. Mohn
Mark W. Olson
Michelle T. Opsahl
Shantharam R. Pai
Earl B. Quijada
Ivan L. Reeve
Lois Ritchie
Jorge L. Rivera, SURG
Magda L. Robinson
Alane M. Samarza
Lauren M. Simon
Esther Won

ASSISTANT CLINICAL PROFESSORS

Javier A. Armijo
Ronald P. Bangasser
Andre V. Blaylock
Iris J. Chung
Warren B. Churg
Jean-Claude Hage
Jonathan Horstmann
Ming Chang Isinhue
Kenneth M. Kopec
James S. Ku
Tony B. Lee
Gerald Lofthouse
Manoucher Manoucheri

Elliot A. Meltzer
 Renu Mittal
 Walter C. Morgan
 Wendell Moseley
 David Nutter
 Michael R. Oliverio
 Raul Pardave
 Lien T. Pham
 R. Steven Pulverman
 J. Franklin Randolph
 Michelle E. Reeves
 Ruth Stanhiser
 Jeffrey R. Ungér
 Dorothy E. Vura-Weis
 Robert K. Yamada

INSTRUCTORS

Ann M. Ronan
 Nancy Testerman

CLINICAL INSTRUCTORS

Norman D. Bravo
 Tina Haller-Wade
 Richard A. Leach
 Margaret H. Lester

ADJUNCT ASSISTANT CLINICAL PROFESSOR

Rhonda D. Robinson

COURSES**FMDN 599 Directed Elective Study (arranged)****FMDN 701 Family Medicine Clerkship (240 hours)**

Office management of patients of all ages, with emphasis on integrating biomedical, psychosocial, and spiritual issues. Appropriate preventive care. Four-week rotation includes conferences, didactics, and working with a preceptor.

FMDN 799 Clinical Selective in Family Medicine (Family Care of the Aged) (240 hours)

Advanced experience in family-centered senior health care. Improves skills specific to geriatric medicine. Familiarizes student with key socioeconomic issues in eldercare. Develops an individual approach to formulating primary-, secondary-, and tertiary-preventive-health strategies for older adults. Familiarizes students with the diagnosis and management of specific geriatric syndromes. (Open to 4th-year students.)

FMDN 891 Family Medicine Elective (General Family Medicine) (arranged) (240 hours)

Student works with Loma Linda Family Practice faculty to provide both inpatient and outpatient care.

FMDN 892 Family Medicine Elective (Interresidency Elective in Family Medicine)**(240 hours)**

Opportunity for student to experience family-practice residencies with several different models of care: managed care (Kaiser-Fontana and Riverside), indigent/public health approach (San Bernardino County and Riverside General hospitals), and a mixed practice (Loma Linda Family Medicine). Specific learning objectives developed by student, with supervising faculty. (Open to 4th-year students.)

FMDN 893 Family Medicine Elective (Clinical Ethics) (240 hours)

Practical experience in analysis and decision making for difficult clinical situations. Student participates in ethics consultations, rounds, and conferences; and prepares a literature research paper. (Open to 4th-year students.)

FMDN 894 Family Medicine Elective (Adolescent Pregnancy: Social and Medical Aspects) (240 hours)

Opportunity to learn about medical and social issues related to pregnancy prevention and pregnancy care for adolescents. Participation in teen clinics, high school classrooms for pregnant or parenting teens, home visits, and prevention programs. Required research paper on an area of interest. (Open to 4th-year students.)

FMDN 895 Family Medicine Elective (Sports Medicine) (240 hours)

Opportunity to develop strong history and physical-examination skills related to sports-medicine problems in various areas, including medical, nutritional, musculoskeletal, or psychosocial. Learning sites include athletic settings, the Department of Family Medicine, and the Drayson Center.

MDCJ 521, 522, 523 Physical Diagnosis (110 hours)

Provides a core foundation of knowledge, skills, values, and attitudes necessary for effective physician-patient communication and physical examination.

MDCJ 701 Orientation to Clinical Medicine (240 hours)

Builds on the second-year course MDCJ 525, 526. Diagnosis to provide the knowledge, skills, values, and attitudes necessary to facilitate a smooth transition from the preclinical to the clinical curriculum.

MDCJ 821 Ambulatory Care Clerkship (240 hours)

Interdisciplinary, four-week rotation designed to broaden exposure to community-based health care done mainly in primary-care clinics. Clinical experience in areas not otherwise covered in the curriculum: dermatology and STDs, clinical preventive medicine, and integrative/whole-person care in ambulatory and managed-care settings.

GYNECOLOGY AND OBSTETRICS

ALAN KING, Chair

The purpose of the Department of Gynecology and Obstetrics is to provide an academic environment that encourages learning, teaching, and research. The objectives of the department are to:

1. Provide medical students with a broad base of knowledge in obstetrics and gynecology for entrance into a primary-care specialty.
2. Instill a standard of medical excellence that will lead to a continuing program of medical education, reaching through and beyond the residency years.
3. Provide faculty who function as role models for the students and residents.

FACULTY

DISTINGUISHED PROFESSOR

Lawrence D. Longo, PHSL, PEDS

PROFESSORS

Philip J. Chan, PHSL
 Raymond Gilbert, PHSL
 Alan King
 Ronald M. Nelson
 Gordon G. Power, MEDN, PHSL
 Elmar P. Sakala

ASSOCIATE PROFESSORS

Barry S. Block
 John D. Jacobson
 Elden D. Keeney
 Kenneth J. McGill
 William C. Patton
 Herminia S. Salvador
 Ibrahim Seraj
 Mary L. Small
 Robert J. Wagner

ASSOCIATE CLINICAL PROFESSORS

Bert J. Davidson
 Miguelito M. Fernando
 Wilbert Gonzalez
 Robert H. Gregg
 Beverly J. Gregorius
 Jack G. Hallatt
 Massoud Mofid
 Rick D. Murray
 Masao Nakamoto
 Clifford A. Walters
 Stanley R. M. Zerne

ASSISTANT PROFESSORS

Johannah Corselli
 Yvonne G. Gollin
 Jeffrey S. Hardesty
 Kathleen M. Lau
 Leroy A. Reese
 Hugo D. Riffel
 Ron Swensen

ASSISTANT CLINICAL PROFESSORS

Teresa P. Avants
 Juan C. Drachenberg
 Thomas E. Gibson, Jr.
 Young-il H. Hahn
 Christopher T. Huang
 Ronald B. Johnson
 J. Dee Lansing
 Laurel J. Munson
 Giglia A. Parker
 Harold V. Racine
 Marvin M. Sando
 Kathryn Shaw
 E. Laurence Spencer-Smith
 Darrell L. Vaughan
 Kim Warner
 Elvonne Whitney
 Cinna T. Wohlmuth

INSTRUCTORS

Michelle L. Evans
 Emily D. Gibson
 Marilyn Herber
 Melissa Y. Kidder
 Faye J. Whiting

CLINICAL INSTRUCTOR

Ronald S. Wu

COURSES

GYOB 599 Gynecology and Obstetrics Directed Study (arranged)

GYOB 701 Gynecology and Obstetrics Clerkship (480 hours)

GYOB 891 Gynecology and Obstetrics Elective (arranged)

MDCJ 524, 525, 526 Pathophysiology and Applied Physical Diagnosis (78 hours)

Two parallel components that bridge the preclinical curriculum to the clinical curriculum:

(1) Pathophysiology lectures build upon the courses in organ pathology and physiology, introduce students to the pathophysiologic principles underlying mechanisms of disease, and emphasize the application of these principles to a variety of new situations that require problem solving and synthesis in a clinical context.

(2) Practical experience develops and applies skills that build on the first-year sequence in physical diagnosis.

Prerequisite: MDCJ 522, 523.



MEDICINE

JAMES J. COUPERUS, Chair

PHILIP M. GOLD, Executive Vice Chair and Director of Planning, Loma Linda University

**J. LAMONT MURDOCH, Vice Chair and Assistant Chief of Service, Loma Linda University
Medical Center**

GLENN L. FOSTER, Vice Chair and Chief of Service, Jerry L. Pettis Veterans Medical Center

DANIEL L. BOULAND, Vice Chair, Riverside General Hospital University Medical Center

DIVISIONS

CARDIOLOGY

KENNETH R. JUTZY, Head

CLINICAL PHARMACOLOGY

RALPH E. CUTLER, Head

DERMATOLOGY

ABEL TORRES, Head

ENDOCRINOLOGY

J. LAMONT MURDOCH, Head

GASTROENTEROLOGY

MICHAEL H. WALTER, Head

GENERAL INTERNAL MEDICINE AND GERIATRIC MEDICINE

RAYMOND Y. WONG, Head

INFECTIOUS DISEASE

JAMES J. COUPERUS, Head

NEPHROLOGY

SIEGMUND TEICHMAN, Head

ONCOLOGY-HEMATOLOGY

FRANK D. HOWARD IV, Head

PULMONARY AND CRITICAL CARE MEDICINE

PHILIP M. GOLD, Head

RHEUMATOLOGY AND IMMUNOLOGY

KEITH K. COLBURN, Head

The motto of Loma Linda University, “To Make Man Whole,” is central to achieving the objectives of the Department of Medicine. We must progress with the science of medicine; and we must also strive to maintain the art of medicine—the caring attitude that is so important to our well-being as physicians and to the well-being of our patients.

The objectives of the department are to:

1. Train medical students in the highest tradition of medical education—both the art and the science of medicine.
2. Train resident physicians in the art, science, and practice of internal medicine consistent with the high ideals of this School and of the American College of Physicians.
3. Disseminate to our colleagues new and recent discoveries in the science of medicine.
4. Be actively involved in the study of basic pathophysiology of disease processes.
5. Care for our patients with expertise and compassion in the highest Christian tradition.

FACULTY

INTERNAL MEDICINE DIVISIONS

EMERITUS PROFESSORS

William L. Cover
 Raymond B. Crawford
 Walter S. Graf
 George M. Grames
 Donald L. John
 Varner J. Johns, Jr.
 John E. Peterson, Sr.
 Robert C. Rosenquist, Sr.
 Stewart W. Shankel
 Weldon J. Walker

DISTINGUISHED PROFESSOR

David J. Baylink, BCHM, ORTH

PROFESSORS

Ramesh C. Bansal
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 Philip M. Gold
 John J. Harris
 Raymond Herber
 Dale M. Isaefff
 Geun C. Jang

Roy V. Jutzy
 Irvin N. Kuhn
 Francis Y. K. Lau
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 Michael B. Lilly, MICR
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 J. Lamont Murdoch
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 Ramdas G. Pai
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 Pravin M. Shah

EMERITUS CLINICAL PROFESSOR

Irving L. Leff

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 Herman H. Stone

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Milton G. Crane

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 Kin-Hing W. Lau, BCHM
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Subburaman Mohan, PHSL
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 William J. Wechter

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 E. Danford Quick

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 Kenneth R. Jutzy
 Ke-qin Hu
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 Terence D. Lewis
 Lawrence K. Loo
 Robert J. Marsa
 Donald Miller, NEUR
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 Paulo A. Ribeiro
 Arthur J. Riesenfeld
 Philip J. Roos
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 Robert E. Soderblom
 Siegmund Teichman
 Vilma Torres
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 David W. Wilbur
 Raymond Y. Wong

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 Keshab D. Pant
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 H. John Marais, FMDN
 Sukh S. R. Mehta
 Edward Phillips
 Gilbert J. Putnoky
 Robert E. Rentschler
 Chauncey L. Smith
 H. Glenn Stevens
 Richard M. Strong
 Carl Wolnisty

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 Imdad Ahmad
 Shobha S. Aiyar
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 Andrew C. H. Chang
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 Chien-Shing Chen
 Daniel C. A. Choo
 Alfred C. Cottrell
 Debra D. Craig, FMDN
 Nagamani Dandamudi
 Keith R. Doram
 J. Michael Finley
 Anthony F. Firek
 Franz P. Fisher
 Steven C. Forland
 Geir P. Frivold
 Aslam Godil
 Fouzia Godil
 Alma A. Gonzaga
 Ronald Griffin
 Jocelyn Gunnarsson
 Mouna E. Haddad-Wilson
 Steven B. Hardin
 William H. Hardt, Jr.
 Donald J. Hillebrand
 Thomas J. Hoffman
 Frank D. Howard IV
 Russell E. Hoxie
 Enacio G. Hunt
 Michael B. Ing
 George M. Isaacs
 Denise L. Jackson
 Alan K. Jacobson
 Mehdi S. Jahromi
 Karnjit K. Johl
 Torbjorn I. Jorteg
 Vikram V. Kamdar
 Jeffery M. Katz
 Brent W. Kay

Balram S. Khehra
 Rajagopal Krishnan
 Victor K. Lamin
 Euly M. Langga-Sharifi
 James P. Larsen
 Alan C. K. Lau
 Susie H. Lau
 Scott W. Lee
 Jody D. Levy
 Takkin Lo
 John D. McCracken
 James I. McMillan
 Priya Malik
 Ramesh K. Manchanda
 Malwinder K. Multani
 Bavani Nadeswaran
 Sami B. Nazzal
 Axa I. Newball
 Sherlene Ng
 Pushpa Nowrangji, PEDS
 Sudha Pai
 Seekook Park
 Gary L. Pauls
 John A. Rambharose
 Timothy Richardson
 Rhodes L. Rigsby
 Suzanne S. Rizkalla
 Daniel Robitshek
 Maher A. Roman
 Gordon H. Sasaki
 Cynthia L. Serabyn
 Rina N. Shah
 Tamara M. Shankel, PEDS
 Vasthi V. Silva
 Lynnetta Skoretz
 Sami S. Soliman
 N. Lennard Specht
 David C. Stanford
 Liset N. Stoletniy
 Debra D. Stottlemeyer
 Michael W. Sue
 Richard J. Swabb
 Terri L. Tamase
 Linda Giles Tan
 Shirley M. Tan
 Leah A. Tud Tud-Hans
 Sammy S. Wong
 Yasmin A. Yusufaly

ASSISTANT CLINICAL PROFESSORS

Monica M. Banerjee
 Connie J. Beehler
 Cyril D. Blaine
 Eugene P. Boling
 Gary W. Brown
 Elber S. Camacho
 Ethelred E. Carter
 Jeng-Hong Chen
 Daniel S. Cosgrove
 Donald L. Culver
 Vishvanath V. Date
 Lino J. DeGuzman
 Thomas C. Denmark

Douglas O. W. Eaton
 Philip A. Edelman
 James A. Fallows
 Marian A. Fedak
 Mary A. Flowers
 Gerald S. Friedman
 Juanito Garlitos
 Marla G. Giem
 Alan Gorenberg
 Margaret A. Griffin
 Loran D. Hauck
 Vickie V. Height
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 Patricia C. Hsia
 Galen C. L. Huang
 Catherin M. Kennedy
 David J. Kestenbaum
 Sherif F. Khalil
 A. Hafeez Khan
 Sadruddin G. Hussain Khoja
 Daniel I. S. Kim
 Steven E. Larsen
 Kam Y. Lau
 Joseph Lee
 Carmela M. Leonora
 Duncan Leung
 Chandrakant V. Mehta
 Patrick M. Moloney
 Ashis Mukherjee
 Annette T. Nitta
 David S. Nourok
 Hai T. Phan
 Victoria Rains
 Herman H. Ricketts
 Cynthia C. Ruiz
 Alan C. Schwartz
 Terrence H. C. Shum
 Ajeet R. Singhvi
 Michael R. Solinger
 Khushal A. Stanisai
 Chao H. Sun
 Douglas W. Teller
 Ravi Thiruvengadem
 Gordon W. Thompson
 Bhoodev Tiwari
 Charles R. Tourtellotte
 Kees VanderHoek
 Bertrand H. Vipond
 John A. Ward
 Gary M. Wernick
 Carl Wolnisty
 Andrew L. Wong
 Francisco M. Wong

ASSISTANT RESEARCH PROFESSORS

Weikuan Gu
 Reinhard Gysin
 Darko Kantoci
 Xin Min Li
 Earl D. Murray
 Qin, Xue Zhong
 Schwartz, Elaine B.

CLINICAL INSTRUCTORS

J. Robert Evans
Raed N. Fahmy

INSTRUCTORS

Mihran H. Ask, PRVM
Rebekah Bartos
Donald M. Blackman
Tonda D. Bradshaw
Kenneth D. Doran
Ronald S. Fernando
Sylvia K. Fowler
Eduardo J. Gonzaga
Nancy J. Heine
Kevin B. Hill
Wilson D. Lao
Jerry T. Martell
Telahun Zewdie

DERMATOLOGY DIVISION

EMERITUS PROFESSOR

Theodore M. Cohen

PROFESSORS

Nancy J. Anderson
Abel Torres
Edwin T. Wright, PATH

ASSOCIATE CLINICAL PROFESSORS

Bernard Gottlieb, PATH
Hubert C. Watkins

ASSISTANT PROFESSOR

Barbara N. Halaska
Jane M. Hirokane
Shirlene Jay

ASSISTANT CLINICAL PROFESSORS

Desmond D. Gibson
Soon S. Lee
Wendy E. Roberts
Fred F. Soeprono, PATH
Ingrid E. Trenkle
J. Robert West
John L. Zdrojewski

INSTRUCTOR

David Opai-Tetteh

COURSES

MEDN 599 Medicine Directed Study (arranged)

MEDN 701 Medicine Clerkship (720 hours)

MEDN 799 Geriatric Medicine (120 hours)
Introduces students to the unique needs of older adults. Provides experience in the multidisciplinary, whole-person care of older adults, with emphasis on functional assessment.

MEDN 821 Senior Subinternship (240 hours)

MEDN 822 Senior Intensive Care (120 hours)

MEDN 891 Medicine Elective (arranged)

MDCJ 501 Introduction to Medicine SM (2)

Taught by the Department of Medicine and the Faculty of Religion for students in the Early-Decision Program. Designed to help students develop the writing and reading skills essential to perform medical duties, and to help students develop the whole-person-care focus necessary for success as physicians.

MDCJ 502 Introduction to Medicine II (2)

Taught by the Departments of Biochemistry, Medicine, Pathology (Division of Human Anatomy), and Surgery; and the Faculty of Religion for students in the Early-Decision Program. Designed to help students develop skills in problem-based learning and standardized patient assessment as well as whole-person care, which are necessary skills for success as a physician.

MDCJ 521, 522, 523 Physical Diagnosis (8)

Provides a core foundation of knowledge, skills, values, and attitudes necessary for effective physician-patient communication and physical examination

MDCJ 524, 525, 526 Pathophysiology and Applied Physical Diagnosis (9)

Two parallel components that bridge the preclinical curriculum to the clinical curriculum:

(1) Pathophysiology lectures build upon the courses in organ pathology and physiology, introduce students to the pathophysiologic principles underlying mechanisms of disease, and emphasize the application of these principles to a variety of new situations that require problem solving and synthesis in a clinical context.

(2) Practical experience develops and applies skills that build on the first-year sequence in physical diagnosis.

Prerequisite: MDCJ 522, 523.

MDCJ 701 Orientation to Clinical Medicine (240 hours)

Builds on the second-year course MDCJ 525, 526. Diagnosis to provide the knowledge, skills, values, and attitudes necessary to facilitate a smooth transition from the preclinical to the clinical curriculum.

MDCJ 821 Ambulatory Care Clerkship (240 hours)

Interdisciplinary, four-week rotation designed to broaden exposure to community-based health care done mainly in primary-care clinics. Clinical experience in areas not otherwise covered in the curriculum: dermatology and STDs, clinical preventive medicine, and integrative/whole-person care in ambulatory and managed-care settings.

NEUROLOGY

DANIEL W. GIANG, Chair

Neurologic disorders are common, and it is essential that students learn to recognize and treat them. The objective of the four-week course is for the student to further God's work of restoring wholeness to people through excellence in neuroscientific education, investigation, and clinical care.

FACULTY

DISTINGUISHED PROFESSOR
W. Ross Adey, PHSL, MEDN

PROFESSORS
Carmel Armon
Stephen Ashwal, PEDS, MEDN
Donald Miller, MEDN
Donald I. Peterson, PHRM, MEDN
Gordon W. Peterson, MEDN

ASSOCIATE PROFESSORS
Thomas W. Bohr
Jeffrey A. Bounds
Daniel W. Giang
Boleslaw H. Liwnicz, PATH
Abraham T. Lu, PATH, MEDN
Sarah M. Roddy, PEDS

ASSOCIATE CLINICAL PROFESSOR
R. Richard Sloop

ASSISTANT PROFESSORS
Bradley A. Cole
Rodolfo O. Escutin
Lori A. Shutter

David M. Swope
Jon E. Ween

ASSISTANT CLINICAL PROFESSOR
Robert A. Klein

INSTRUCTORS
Perin D. Gomer
Dorothee Lambert
Chalmer D. McClure, PEDS
Izabella Soo

CLINICAL INSTRUCTOR
Sherif A. Dimyan

COURSES

NEUR 599 Directed Elective Study (arranged)

NEUR 821 Neurology Clerkship (240 hours)
Basic neurology lectures, weekly neuroradiology conferences, neurology grand rounds, clinical neurology conference, and biweekly neuropathology conference. Student attendance required. Student participation in the outpatient neurology clinics during neurology rotation.

NEUR 891 Neurology Elective (arranged)



OPHTHALMOLOGY

HOWARD V. GIMBEL, Chair

The Department of Ophthalmology is committed to:

1. Provide an academic environment that will foster an understanding of ophthalmology as a specialty.
2. Provide an education for students and residents that prepares them for service in communities when training has been completed.
3. Develop clinical research.

FACULTY

EMERITUS PROFESSORS

Sidney B. Brownsberger
George K. Kambara

PROFESSOR

Howard V. Gimbel

CLINICAL PROFESSORS

James I. McNeill
Charles M. Stephenson, Sr.

ASSOCIATE PROFESSORS

James Guzek
David L. Wilkins
Ernest S. Zane

ASSOCIATE CLINICAL PROFESSORS

Paul A. Blacharski
Clement K. Chan
James L. Davidian
Younge Hyun Oh
Christopher Stephenson
P. Harold Wallar
Izak F. Wessels

ASSISTANT PROFESSORS

Paul Y. Chung
Jennifer A. Dunbar
Arthur W. Giebel
Jeffrey C. Hong
Michael E. Rauser
Alan J. Riezman
Kimber L. Schneider
Gerald Schultz
Kris J. Storkersen

ASSISTANT CLINICAL PROFESSORS

Kimberley D. Ackley
Christopher L. Blanton
Loren L. Denler
Robert M. Duffin
Christina J. Flaxel
Eric J. Friedrichsen
Kenneth Houchin
Gary G. Huffaker
Kristin E. Isaacs
David R. McGrew
Richard D. Pesavento
Robert C. Rosenquist, Jr.
Lance M. Siegel
Tom Tooma
Robert R. Wresch
Steven E. Zane

INSTRUCTORS

Pamela Y. Bekendam
Sharon Takayesu

COURSES

SURG 821 Surgery Clerkship (participation)

OPHM 891 Ophthalmology Elective (arranged)

ORTHOPAEDIC SURGERY

CHRISTOPHER M. JOBE, Acting Chair

The Department of Orthopaedic Surgery provides a lecture series to junior and senior medical students. The objectives of the series are to:

1. Introduce the specialty of orthopaedic surgery.
2. Teach physical diagnosis of the musculoskeletal system.
3. Review care of common orthopaedic conditions.
4. Survey orthopaedic subspecialties and orthopaedic surgery.
5. Stimulate students to consider a career in orthopaedic surgery.

FACULTY

EMERITUS PROFESSORS

Fred A. Polesky
Dana M. Street

PROFESSORS

William P. Bunnell, PEDS
Christopher M. Jobe
F. William Wagner, SURG, ANAT
Virchel E. Wood

CLINICAL PROFESSORS

Gary K. Frykman
D. Allan MacKenzie
Hiromu Shoji
Edmund B. Weis

RESEARCH PROFESSORS

David J. Baylink, BCHM, MEDN
Ian C. Clarke

ASSOCIATE PROFESSORS

William A. Craig
G. Allen Gustafson
Philip H. Reiswig
James E. Shook
George J. Wieseeman
Leisure Yu

ASSOCIATE CLINICAL PROFESSORS

Joseph C. Hohl
Claran H. Jesse
D. Robert Johnson
Martin Koffman
Milton K. Mudge
Walter C. Nash
Eskild A. Reinhold
Kenneth R. Roth
Herman R. Schoene
G. Carleton Wallace

ASSISTANT PROFESSORS

Bernarr B. Johnson
Michael H. Wright

ASSISTANT RESEARCH PROFESSOR

Qiang G. Dai

ASSISTANT CLINICAL PROFESSORS

Joel E. Adams
Charles H. Alexander
Robert H. Ballard
William E. Brown
Kali Chaudhuri
Clyde L. Davis
Edmund T. Dombrowski
Thomas K. Donaldson
Jan W. Duncan
Ray L. Foster
Calvin H. Frazier
Ronny G. Ghazal
Barry S. Grames
Bradley R. Hotchner
Harris H. Kanel
Satish K. Lal
Liu, Paul C. W.
Kenneth L. Lorenz
James D. Matiko
Clifford D. Merkel
William J. Navigato
Rama T. Pathi
John W. Skubic
John C. Steinman
Alan W. Wolf
David L. Wood

INSTRUCTORS

Karim Abdollahi
William S. Beal
Eduardo A. Bestard
Gurbir Chhabra
Michael J. Coen
Navid Ghalambor
William R. Hale

Robert L. Jaspan
Michael Miao
Assad Moheimani
Wayne T. Pan
Timothy A. Peppers
Barry E. Watkins
James R. Watson

COURSES

SURG 821 Surgery Clerkship (participation)

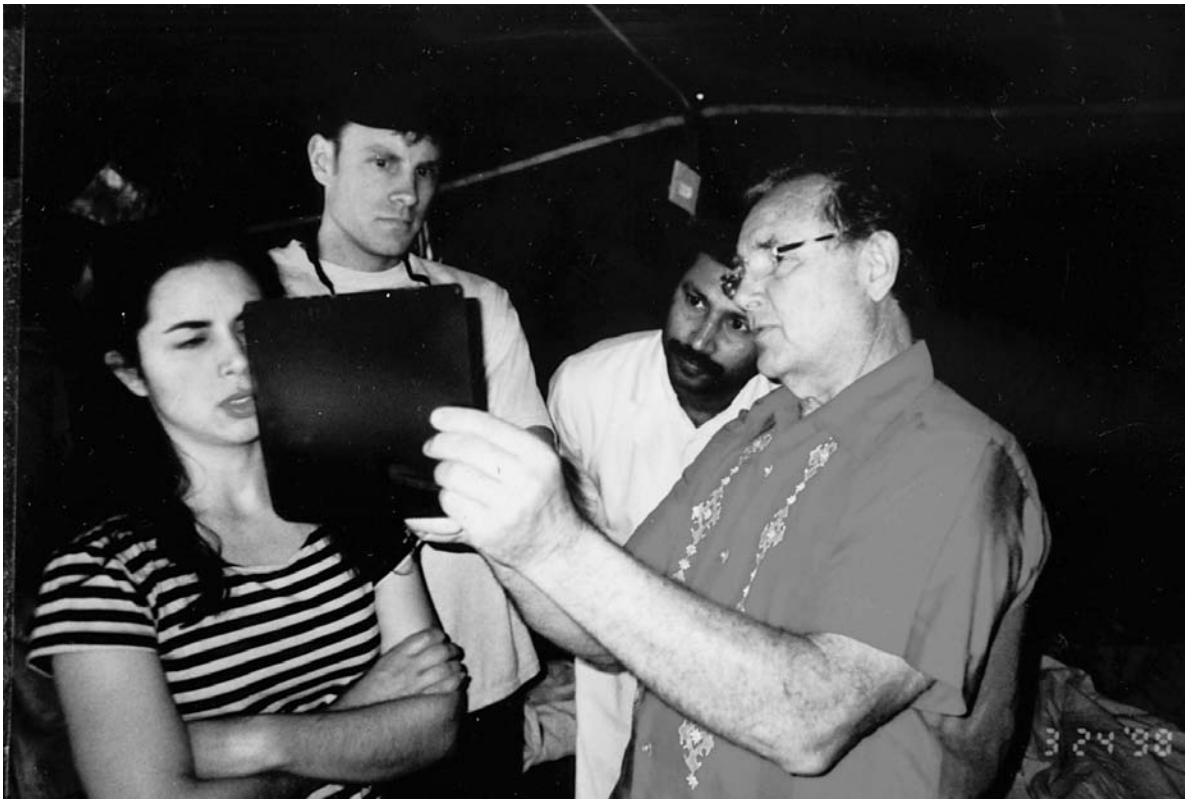
**ORTH 891 Orthopaedic Surgery Elective
(arranged)**

RESEARCH INSTRUCTOR

Paul Williams

CLINICAL INSTRUCTORS

David V. Anderson
Hazel J. Berglund
Vincent J. Devlin
Brian S. Doyle
David G. Erickson
Timothy P. Gray
Mary E. Hurley
Ralph N. Steiger
Ghassan S. Tooma
Gurvinder S. Uppal



PATHOLOGY AND HUMAN ANATOMY

BRIAN S. BULL, Chair

ANATOMY DIVISION

HUMAN ANATOMY

PEDRO B. NAVA, JR., Head

PATHOLOGY DIVISION

ANATOMIC PATHOLOGY

DONALD R. CHASE, Head

PEDIATRIC PATHOLOGY

CRAIG W. ZUPPAN, Head

LABORATORY MEDICINE

JAMES M. PAPPAS, Head

The primary goal of the Department of Pathology and Human Anatomy is to educate capable, compassionate, scientifically minded physicians dedicated to the mission and objectives of Loma Linda University School of Medicine. The courses offered by the department provide a bridge to the clinical sciences, spanning the entire two years of the preclinical curriculum—from foundational principles of gross, microscopic, and developmental anatomy to modern pathophysiologic concepts. Progressive emphasis is placed on cultivating the student's ability to integrate basic knowledge of structure, function, and dysfunction of the human body with analytical skills in solving clinical problems.

The department is strongly committed to:

1. Biomedical research designed to promote creative and critical thinking on the part of all students and faculty.
2. Provide an environment conducive to the pursuit of original studies by those oriented towards investigative medicine.

FACULTY

ANATOMY DIVISION

EMERITUS PROFESSORS

Paul C. Engen
Daniel A. Mitchell, Jr., SURG
Walter H. B. Roberts
E. Harold Shryock

PROFESSORS

John O. Archambeau, RDMN, PEDS
William H. Fletcher, PHSL
Raymond Gilbert, PHSL, GYOB
Paul J. McMillan
Robert L. Schultz

CLINICAL PROFESSOR

Jess Hayden, Jr.

ASSOCIATE PROFESSORS

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Michael A. Kirby, PEDS
Pedro B. Nava
Steven M. Yellon, PEDS, PHSL

ASSISTANT PROFESSORS

Johannah Corselli, GYOB
Bertha C. Escobar-Poni
Kerby C. Oberg
William Wagner, SURG, ORTH
Kenneth R. Wright

PATHOLOGY DIVISION

EMERITUS PROFESSOR

Albert E. Hirst, Jr.

PROFESSORS

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Jeffrey D. Cao
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Resa L. Chase
David L. Felton
G. Gordon Hadley
Darryl G. Heustis
Ralph A. Korpman
John E. Lewis, MEDN, MICR
Boleslaw H. Liwnicz, NEUR
Bo Ying Wat
Edwin T. Wright, DERM

RESEARCH PROFESSORS

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Jerald C. Nelson, MEDN

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Weldon J. Bullock
Thomas T. Noguchi

CLINICAL RESEARCH PROFESSOR

Lawrence B. Sandberg

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Albert Olson
Mildred L. Stilson
Rodney E. Willard

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Keith D. Hoffmann, SD
Berend Houwen
Christopher M. Jobe, ORTH
Dick H. Koobs
Norman H. Peckham
George W. Saukel
Craig W. Zuppan

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Denise Bellinger
Lee S. Berk, PRVM
Richard W. Hubbard, BCHM
Michael A. Kirby, PEDS

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Bernard Gottlieb, DERM
W. William Hughes III, AH
Ewald R. Lonser
Abraham T. Lu, NEUR, MEDN
Arthur J. Silvergleid

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M. Rose Akin
Kenneth Cantos
Wilson K. W. Chick
Evelyn B. Choo
Kil Un Lee
Richelle L. Malott
Morrel T. Moorehead
Kerby C. Oberg
James M. Pappas
Mia C. N. Perez
Kevin S. Thompson
Pamela J. Wat

ASSISTANT RESEARCH PROFESSORS

Omar R. Fagoaga
Giuseppe Molinaro, MICR
Srinivasan ThyagaRajan

ASSISTANT CLINICAL PROFESSORS

Neita R. Duazo
Joy I. Fridey
Fikry F. Hanna
Frank Sheridan
Fred F. Soeprono, DERM
W. Leonard Taylor
Ingrid E. Trenkle, DERM
Steven J. Trenkle

ADJUNCT PROFESSOR

Gary W. Mierau

COURSES

ANAT 501, 502 Human Anatomy DN (3, 3)

Anatomy of the human body. Lecture and dissection course that includes developmental history pertinent to understanding of the adult. Emphasis on structures of the head and neck.

ANAT 503 Human Histology DN (5)

Detailed microscopic study of fundamental tissues, cells, organs, and systems of the human body.

ANAT 504 Oral Histology and Development DN (3)

Introduction to general embryology, followed by a detailed study of microanatomy of the teeth and adjacent structures.

ANAT 505 Neuroanatomy DN (3)

Basic anatomy of the human nervous system. Structure correlated with function as much as possible at macroscopic, microscopic, and ultramicroscopic levels. Correlation with clinical neurology.

ANAT 517 Gross Anatomy/Embryology SM (9)

Regional systemic study of the human body, with correlation to radiology and clinical medicine. Survey of human embryonic development. Consideration given to origins of common birth defects.

ANAT 528 Detailed Dissection of the Head and Neck DN (Surgical) (2)

Detailed dissection of the head and neck. Demonstration and lecture.

Prerequisite: ANAT 541 or equivalent.

ANAT 537 Neuroscience GS (8)

Structure and function of the human nervous system.

ANAT 541 Gross Anatomy GS (4, 8)

Anatomy of the head, neck, locomotor system, thorax, abdomen, pelvis, and perineum. Correlated with radiology and applied features.

ANAT 542 Cell, Tissue, and Organ Biology GS (2, 4)

Microscopic structure of cells, tissues, and organs of the human body.

ANAT 544 Human Embryology GS (1)

The plan of development as it pertains to the human. Consideration of principles. Laboratory work involving the use of both human and comparative materials.

Prerequisite: A course in vertebrate embryology.

MDCJ 531, 532, 533 Cell Structure and Function SM (150 hours) (14)

Fully integrated, comprehensive course that develops knowledge and skills relating normal microscopic and submicroscopic anatomy to cellular biology, cellular physiology, and immunology. General pathology, the common thread for the course, familiarizes students with morphologic and functional changes affecting cells exposed to a variety of normal and, to a lesser extent, abnormal environments.

MDCJ 541, 542 Medical Neuroscience SM (71 hours) (7)

Fundamentals of neuroanatomy and neurophysiology integrated in a clinical context with principles of the human nervous system.

MDCJ 545, 546, 547 Medical Applications of the Basic Sciences SM (3, 2, 2)

Students solve clinical problems by using their medical knowledge and accessing appropriate learning resources. Independent and small-group activities help students to identify their personal learning issues. A minimum of four hours per week in independent, self-directed learning activities.

LABORATORY MEDICINE

PATH 512, 513, 514 Human Pathology: Review by Organ Systems (100 hours) (4, 3, 3)

Systematic review of diseases affecting each organ system. Etiology, pathogenesis, morphology, pathophysiology, and biologic behavior covered; as well as relevant laboratory medicine techniques. Correlation with concurrent courses in physiology, microbiology, and physical diagnosis.

Prerequisite: MDCJ 531, 532, 533.

Recommended: Concurrent or previous medical microbiology.

PATH 599 Directed Study (arranged)**PATH 891 Pathology Elective (arranged)****MDCJ 531, 532, 533 Cell Structure and Function (150 hours) (14)**

Fully integrated, comprehensive course that develops knowledge and skills relating normal microscopic and submicroscopic anatomy to cellular biology, cellular physiology, and immunology. General pathology, the common thread for the course, familiarizes students with morphologic and functional changes affecting cells exposed to a variety of normal and, to a lesser extent, abnormal environments.

MDCJ 701 Orientation to Clinical Medicine (240 hours)

Builds on the second-year course MDCJ 525, 526. Diagnosis to provide the knowledge, skills, values, and attitudes necessary to facilitate a smooth transition from the preclinical to the clinical curriculum.

PEDIATRICS

JOHN W. MACE, Chair

The mission of the Department of Pediatrics is to provide patient services, educational programs, research endeavors, child advocacy, and community service in a manner not only consistent with state-of-the-art science but also with Judeo-Christian values.

FACULTY

DISTINGUISHED PROFESSOR

David J. Baylink, MEDN, BCHM, ORTH

EMERITUS PROFESSORS

Hertha Ehlers
Theodore H. Goldman
Eugene L. Petry
J. Joseph Quilligan, RADS

PROFESSORS

John O. Archambeau, RDMN, ANAT
Stephen Ashwal, MEDN, NEUR
Leonard L. Bailey, SURG
J. Bruce Beckwith, PATH, UROL
B. Lyn Behrens
Burton A. Briggs, ANES, SURG
William P. Bunnell, ORTH
Richard E. Chinnock, EMDN
Wayne K. Jacobsen, ANES
Lawrence D. Longo, GYOB, PHSL
John W. Mace
Linda J. Mason, ANES
Ronald M. Perkin, EMDN
Charles W. Slattery, BCHM
Lionel W. Young, RADS

RESEARCH PROFESSOR

Thomas A. Linkhart, BCHM

EMERITUS CLINICAL PROFESSOR

Willard R. Centerwall

CLINICAL PROFESSORS

Hunter I. Crittenden
George Fox
Charles J. Hyman
John L. Johnson
John P. Morris
Gerald Saks

ASSOCIATE PROFESSORS

Ofelia A. Alvarez
Nancy J. Anderson, DERM
D. Jeanne Andrews

Antranik A. Bedros
Jane Bork
Chul C. Cha
Terry W. Chin
Douglas Deming
Edward Elmendorf
Yvonne Fanous
Elba E. S. Fayard
Steven R. Gundry, SURG
Andrew O. Hopper
Donald L. Janner
Leela Job
David S. Knierim, NEUS
Marquelle J. Klooster
Michael Kuhn
Ranae L. Larsen
Maria Lois-Wenzel
J. David Moorhead, UROL, SURG
Neda F. Mulla
Ricardo L. Peverini
Ravindra Rao
Sharon K. Riesen
Sarah M. Roddy, NEUR
Shobha Sahney
Clare M. Sheridan, EMDN
Lawrence G. Tomasi, NEUR
Nidia R. Vyhmeister
Steven M. Yellon, PHSL

ASSOCIATE RESEARCH PROFESSORS

Michael A. Kirby, PATH
Giuseppe Molinaro, MICR, PATH

EMERITUS ASSOCIATE CLINICAL PROFESSORS

Edwin F. Patton
Clifton P. Rose
Lawrence S. Siegel

ASSOCIATE CLINICAL PROFESSORS

Assaad Assaad
James A. Bartley
Harbinder S. Brar
Susan J. Clark
Wallace Cleaves
George D. Doroshov
David Fox

Bruce B. Grill
 Rauof A. Ibrahim
 D. Allen MacKenzie, ORTH
 Constance J. Sandlin
 Phisit Saphyakhajon
 Richard P. Tyler
 Merlin R. Zaske

ASSISTANT PROFESSORS

Shamel A. Abd-Allah
 Marti Baum
 Paul A. Checchia
 Drew Cutler
 Christopher D. Dael
 Althea P. Daniels
 Wise M. Fargo
 Nancy R. Fernando
 Laura Funkhouser
 Maria C. Garberoglio
 Matthew F. Gross
 Agnes S. Guġan
 Ernie Guzman
 Aijaz Hashmi
 Eba H. Hathout
 Joya Heart
 Mary Lam
 Carol A. Lau, ANES
 Michelle H. Loh
 Pushpa Nowrangġ, MEDN
 John E. Peterson, Jr., SD
 Rebeca E. Piantini
 Charles D. Pumphrey
 Martha E. Rivera
 George A. Segura
 Ruchir Sehra
 Manoj C. Shah
 Tamara M. Shankel, MEDN
 James F. Shook, ORTH
 Catherine A. Tan
 Diana L. Trupp
 T. Victoria Van
 Vasanti Voleti
 Karen A. Winston
 George S. Yanni
 Larry Yin
 Guy Young

ASSISTANT CLINICAL PROFESSORS

Daniel H. Aldana
 Freddie B. Balġama
 James H. Belote
 Dilip R. Bhatt
 Danielle L. Borut
 Samuel A. Bruttomesso
 Hong Bui
 William M. Clover
 Vo Minh Dai
 Mary L. Gandy
 Herbert A. Giese, Jr.
 Joseph K. Hindman

Wen-Hsiung L. Huang
 John L. Johnson
 Thomas A. Kaleita
 Julie P. Mann
 Hilario A. Marilao
 Frederick J. Martin
 James Mason
 Jorge R. Mazlumian
 Ronald L. Mellinger
 Robert E. Meyer, Jr.
 James S. Miller
 Jonathan J. Mthombeni
 James L. Munson
 Madeline N. Ngo
 Olusola A. Oyemade
 Ronald G. Pearce
 Deepak K. Rajpoot
 Isreal Rubenstein
 Praful C. Shah
 Lawrence D. Sharpe
 Norman U. Sogioka, SURG
 James D. Swift
 Pranee Tulyathan
 Nestor E. Vain
 Huu Dinh Vo
 Hansen Wang, SURG
 Sherri E. Yhip

INSTRUCTORS

Borhaan S. Ahmad
 Janet E. Halverson
 Olga Kalbermatter
 Lanny Nizar-Oentojo
 Jonnel W. Pomeroy
 Francisco Rincon
 Stanford K. Shu
 Mohammad S. Siddiqui
 Daved W. van Stralen

CLINICAL INSTRUCTOR

Thomas S. Sherwin, EMDN

ADJUNCT PROFESSOR

Sanford Schneider, MEDN, NEUR

ADJUNCT INSTRUCTOR

Harvey Heidingġr

COURSES

PEDS 599 Pediatrics Directed Study (arranged)
PEDS 701 Pediatrics Clerkship (480 hours)
PEDS 822 Pediatrics Intensive Care (120 hours)
PEDS 891 Pediatrics Elective (arranged)

MDCJ 524, 525, 526 Pathophysiology and Applied Physical Diagnosis (9)

Two parallel components that bridge the preclinical curriculum to the clinical curriculum:

(1) Pathophysiology lectures build upon the courses in organ pathology and physiology, introduce students to the pathophysiologic principles underlying mechanisms of disease, and emphasize the application of these principles to a variety of new situations that require problem solving and synthesis in a clinical context.

(2) Practical experience develops and applies skills that build on the first-year sequence in physical diagnosis.

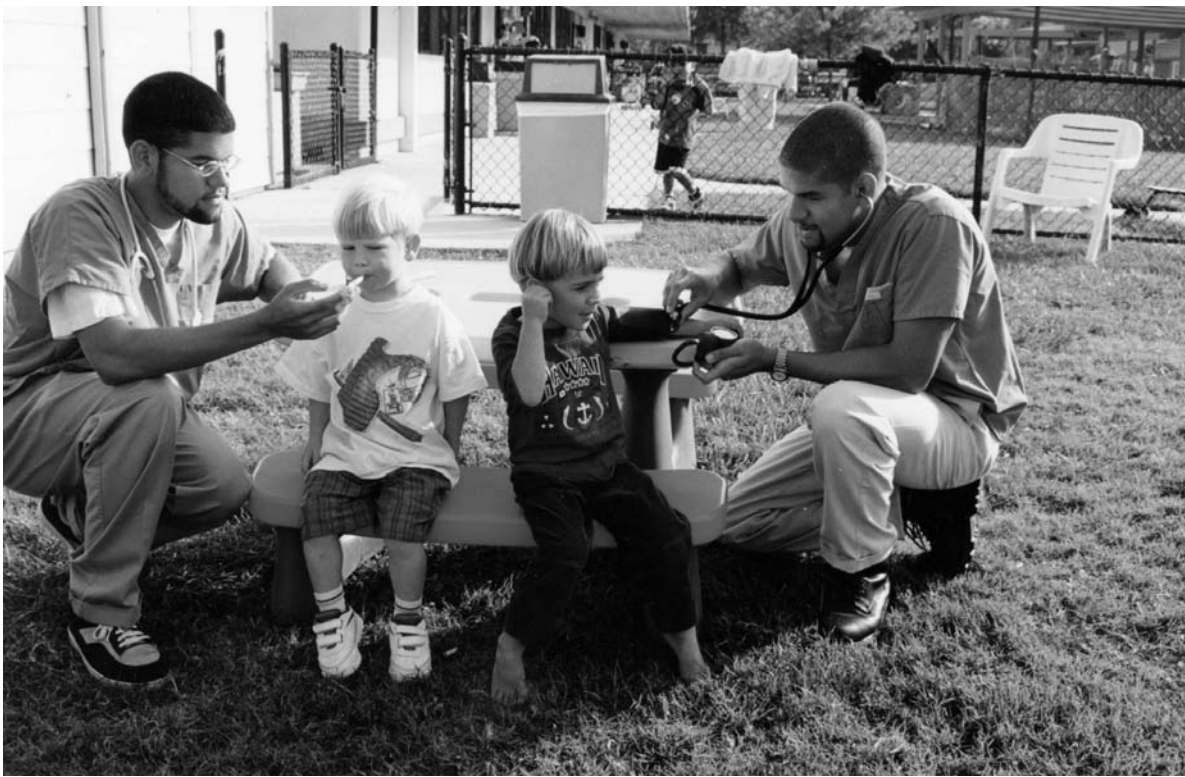
Prerequisite: MDCJ 522, 523.

MDCJ 701 Orientation to Clinical Medicine (240 hours)

Builds on the second-year course MDCJ 525, 526. Diagnosis to provide the knowledge, skills, values, and attitudes necessary to facilitate a smooth transition from the preclinical to the clinical curriculum.

MDCJ 821 Ambulatory Care Clerkship (240 hours)

Interdisciplinary, four-week rotation designed to broaden exposure to community-based health care done mainly in primary-care clinics. Clinical experience in areas not otherwise covered in the curriculum: dermatology and STDs, clinical preventive medicine, and integrative/whole-person care in ambulatory and managed-care settings.



PHYSICAL MEDICINE AND REHABILITATION

MURRAY E. BRANDSTATER, Chair

The Department of Physical Medicine and Rehabilitation was established to develop clinical services in rehabilitation medicine and to offer resources for teaching and research in the field of rehabilitation. These clinical and academic activities cover a wide spectrum of clinical medicine but have as a central basis the notion that rehabilitation is a complex process involving not only multiple disciplines but also consideration of the patient in the broader context of the family and community. The psychosocial-spiritual aspects of rehabilitation complete the whole-person focus, thus providing an opportunity for faculty and students to observe and experience patient care while meeting the goals and objectives of the School of Medicine.

FACULTY

PROFESSOR

Murray E. Brandstater

ASSOCIATE CLINICAL PROFESSOR

Victor Schell

ASSISTANT PROFESSORS

Moon S. Bae
Divakara Kedlaya
Angela Cha-Kim
Lowell W. Reynolds, ANES
Scott R. Strum

ASSISTANT CLINICAL PROFESSORS

Scott E. Brown
Gerald R. Goodlow
Yvette A. Holness
Robertus H. Kounang
Esther C. Lee
Jonathan C. Lee
Felice L. Loverso
Joseph A. Narloch
Hanna O. Sanders

INSTRUCTORS

Kevan Z. Craig
Jien Sup Kim

CLINICAL INSTRUCTOR

Karen S. Clippinger

ADJUNCT ASSISTANT PROFESSOR

Bradley Eli

COURSES

PMRH 799 Physical Medicine and Rehabilitation

Program based primarily on the inpatient rehabilitation service but includes exposure to formal didactics and outpatient services.

PMRH 891 Physical Medicine and Rehabilitation Elective (arranged)

PHYSIOLOGY AND PHARMACOLOGY

J. MAILEN KOOTSEY, Chair

JOHN LEONORA, Vice-Chair

Upon completion of the physiology course, the student will have an understanding of the basic concepts related to the cardiovascular, respiratory, renal, gastrointestinal, and endocrine systems appropriate to current clinical application. As much as is possible, the integration of functions between the various systems is emphasized. Neurophysiology is presented separately as an integrated course involving neuroanatomy and histology. The student will also be oriented to research needed on many unsolved problems in physiology.

Likewise in pharmacology, students will be able to describe the principal concepts of drug action and safety; recognize and classify the drugs commonly used in the practice of medicine; and describe the major aspects of and concepts relating to their actions, mechanism(s) of action, disposition, major side effects, and uses. Students will also have an introductory understanding of the application of this knowledge to clinical cases.

FACULTY

PHYSIOLOGY

DISTINGUISHED PROFESSORS

W. Ross Adey, NEUR

Lawrence D. Longo, GYOB, PEDS

PROFESSORS

Philip J. Chan, GYOB

Charles A. Ducsay

William H. Fletcher, ANAT

Raymond D. Gilbert, GYOB

David A. Hessinger, PHRM, BCHM

J. Mailin Kootsey

John Leonora, BCHM

William J. Pearce, BCHM

Gordon G. Power, GYOB, MEDN

Robert W. Teel

Steven M. Yellon, PEDS

RESEARCH PROFESSOR

Subbaraman Mohan, MEDN, BCHM

EMERITUS ASSOCIATE PROFESSOR

Elwood S. McCluskey

ASSOCIATE PROFESSORS

Daisy D. DeLeon

Marino A. DeLeon

Ramon R. Gonzalez, Jr.

Raymond G. Hall, Jr.

Charles Kean, SURG

George Maeda

Leonard S. Werner, MEDN

ASSISTANT RESEARCH PROFESSORS

Jean M. Tieche

Glyne U. Thorington

PHARMACOLOGY

DISTINGUISHED EMERITUS PROFESSOR

Ian M. Fraser

EMERITUS PROFESSORS

Marvin A. Peters
Allen Strother
Bernard E. Tilton

PROFESSORS

Ralph E. Cutler, MEDN
David A. Hessinger, BCHM

ASSOCIATE PROFESSORS

John Buchholz
C. Raymond Cress
Lubo Zhang

ASSISTANT PROFESSORS

Rhonda P. Davis
Thomas P. Engel, ANES

ADJUNCT PROFESSOR

Sue P. Duckles

COURSES

PHYSIOLOGY

UNDERGRADUATE

PHSL 250 Physiology-Pathophysiology (4)
Physiology of the body processes. Designed for the undergraduate nursing program.

DENTISTRY

PHSL 501 Neurophysiology (3)
Presentation of basic principles in neurophysiology to enhance understanding of normal and pathophysiological function.

PHSL 701 Physiological Systems (5)
Biochemical and physiological bases of normal function. Lecture and demonstration illustrating physiological principles in animals and man. The Department of Biochemistry and the Department of Physiology and Pharmacology participate.

PHSL 741 Physiology of Bone (1)
Nature of bone mineral and matrix; bone biomechanics and mineralization, bone growth, healing and remodeling, pathological bone resorption; bone calcium homeostasis; dynamics of bone adaptation.

MEDICINE

PHSL 511, 512 Physiology SM (1, 5, 4)
Presentation of normal functions of the various systems of the human body, designed to provide a proper understanding of mechanisms of disease, with their concomitant pathophysiology. Lecture, audiovisual demonstrations, computer models, and limited animal studies provide knowledge of the physiological principles.

MDCJ 541, 542 Medical Neuroscience SM (71 hours) (7)
Fundamentals of neuroanatomy and neurophysiology integrated with principles of the human nervous system within a clinical context.

PHSL 891 Physiology Elective (arranged)

GRADUATE

The following courses are offered in fulfillment of requirements for the Master of Science and the Doctor of Philosophy degrees in physiology. This program is outlined in the BULLETIN of the Graduate School.

- PHSL 501 Neurophysiology DN (3)**
- PHSL 502 Basic Neurophysiology (3)**
- PHSL 525 Current Concepts in Cellular and Molecular Neural-Endocrine Interactions (3)**
- PHSL 533, 534 Physiology I, II (4, 3)**
- PHSL 537 Neuroscience (7)**
Prerequisite to PHSL 511, 512.
- PHSL 541 Cell and Molecular Biology (4)**
- PHSL 544 Cell and Molecular Neurobiology (3)**

Courses 550-587 are advanced lecture and conference courses exploring the latest concepts in the respective area. Prerequisite or concurrent: PHSL 511, 512 or the equivalent.

- PHSL 550 Properties of the Nervous System (3)**
- PHSL 553 Applied Electronics for the Basic Sciences (4)**
- PHSL 555 Biology of Cancer, Lecture (3)**
- PHSL 556 Biology of Cancer, Laboratory (2)**
- PHSL 558 Physiology of Exercise and Inactivity (3)**
- PHSL 560 Physiology of Bone (3)**
- PHSL 569 Oxygenation of the Fetus and the Newborn (2)**

- HSL 577 Cardiac Physiology (3)
- PHSL 578 Vascular Physiology (3)
- PHSL 584 Readings in Neurophysiology (2)
- PHSL 585 Endocrinology (3)
- PHSL 587 Physiology of Reproduction (2)
- PHSL 604 Perinatal Biology Graduate Seminar (1)
- PHSL 605 Integrative Biology Graduate Seminar (1)
- PHSL 694 Special Problems in Physiology (1-4)
- PHSL 697 Research (arranged)
- PHSL 698 Thesis (arranged)
- PHSL 699 Dissertation (arranged)
- CMBL 503 The Differentiated Cell (10)

PHARMACOLOGY

UNDERGRADUATE

PHRM 411 Pharmacology DH (2)
 Uses, actions, and potential toxic effects of medications most frequently administered to or used by dental patients.

DENTISTRY

PHRM 501 Pharmacology and Therapeutics SD (4)
 Principles of drug action. Systematic consideration of the pharmacology, clinical applications, and toxicities of the major drugs used in dentistry. Computerized demonstrations illustrating the effects of drugs.

PHRM 503 Clinical Pharmacology in Dentistry (2)
 Use of medications in the treatment of dentally related diseases, and their potential interaction with total patient care.

MEDICINE

PHRM 511, 512 General and Systematic Pharmacology SM (86 hours) (5, 3)
 Principles of drug action, drug receptors, absorption and fate of drugs, drug toxicity, and drug development. Systematic consideration of the pharmacology and of the therapeutic value of the drugs used in medicine. Clinical case conferences, demonstrations, simulations, and laboratory exercises illustrating the uses and effects of drugs in man or animals.

PHRM 891 Pharmacology Elective (arranged)

GRADUATE

The following courses are offered in fulfillment of requirements for the Master of Science and the Doctor of Philosophy degrees in pharmacology. This program is outlined in the BULLETIN of the Graduate School.

- PHRM 534 Topics in Pharmacology for Dentistry (2)**
- PHRM 535 Clinical Pharmacology (3)**
- PHRM 544 Topics in Advanced Pharmacology (3)**
- PHRM 545 Laboratory in Advanced Pharmacology (1-2)**
- PHRM 554 Neuropharmacology (4)**
- PHRM 555 Laboratory in Neuropharmacology (1)**
- PHRM 564 Cardiovascular and Renal Pharmacology (3)**
- PHRM 565 Laboratory in Cardiovascular and Renal Pharmacology (1)**
- PHRM 574 Chemotherapy (3)**
- PHRM 575 Laboratory in Chemotherapy (1)**
- PHRM 584 Drug Metabolism and Biochemical Pharmacology (3)**
- PHRM 585 Laboratory in Drug Metabolism and Biochemical Pharmacology (1)**
- PHRM 586 Toxicology (3)**
- PHRM 605 Integrative Biology, Graduate Seminar (1)**
- PHRM 684 Special Problems in Pharmacology (2-6)**
- PHRM 697 Research (arranged)**
- PHRM 698 Thesis (arranged)**
- PHRM 699 Dissertation (arranged)**



PSYCHIATRY

DONALD L. ANDERSON, Chair

WILLIAM H. MCGHEE, Vice Chair

The Department of Psychiatry provides educational programs that include clinical training and research for medical students, psychiatry residents, and psychiatry fellows.

During the first and second years, psychiatry is taught as an interdisciplinary course that consists of lectures and demonstrations covering a broad range of human behavioral determinants, including the biology, psychology, sociology, and psychopathology of behavior. The wholistic concept of behavior, including its spiritual components, is also stressed.

During the third year the student divides six weeks between at least two psychiatry services: inpatient psychiatric ward, inpatient consultation-liaison, outpatient consultation, triage services, and/or possibly others. These rotations are done at various affiliated hospitals.

In the fourth year, if a student chooses to do an elective, s/he is given the opportunity to choose from a variety of options, including but not limited to subspecialties.

FACULTY

PROFESSORS

Benjamin Kovitz
William H. McGhee

EMERITUS CLINICAL PROFESSOR

Jack W. Provonsha, MEDN

CLINICAL PROFESSORS

Louis P. Bozzetti, Jr.
William H. Brunie
Clarence Carnahan, Jr.
George T. Harding IV
Durand F. Jacobs
August Kasper
David H. Whitbread

ASSOCIATE PROFESSORS

Julie M. Albert
Donald L. Anderson
Wm. G. Britt III
George W. Christison
Monika Gierz
Mark G. Haviland
Jerry D. Hoyle
James P. MacMurray
William G. Murdoch

William G. Roth
Diana Simon
Janet L. Sonne

ASSOCIATE CLINICAL PROFESSORS

Michael A. Cummings
Harvey W. Oshrin
John P. Riesenman

ASSISTANT PROFESSORS

Karole S. Avila
Venkatesh G. Bhat
Kedarnath Challakere
Caron S. I. Christison
Richard T. Cranston
James F. Dyer, Jr.
Carlos R. Fayard
Cameron J. Johnson
Henry L. Lamberton
Leigh A. Lindsey
Regina G. Liwnicz
James S. Mauer
Anthony S. Shin

ASSISTANT CLINICAL PROFESSORS

Nenita Belen
 Andrew C. Blaine
 Antonius D. Brandon, GS
 Kari M. Enge
 Rick L. Jenkins
 Kevin M. Kinback
 Patricia M. Kirkish
 George Kopiloff
 Donald J. Kurth
 Michael B. Maskin
 Kenneth Miller
 Faye D. Owen
 Bipin L. Patel
 Michael D. Schultz
 Gregg A. Sentenn
 William R. Simpson
 Daniel Skenderian
 John C. Stockdale
 John T. Thiel
 Sul R. O. Thorward
 Thais Thrasher

INSTRUCTORS

Winifred J. Klop
 Melvin L. Sajid
 David E. Schultz
 E. Ray Verde
 April Wursten

CLINICAL INSTRUCTORS

Lorna S. Carlin
 George J. Proctor
 Bonnie S. Quinton
 Patricia J. D. Roth

COURSES

PSYT 511 You and Your Patient; PSYT 512, 513 Interviewing a Family System (56 hours) (5)
 Interdisciplinary three-part course consisting of lectures and demonstrations covering a broad range of human behavioral determinants, including the biology, psychology, sociology, and psychopathology of behavior. Stresses the holistic concept of behavior.

PSYT 514, 515, 516 Psychopathology (52 hours) (5)

PSYT 599 Directed Elective Study (240 hours)

PSYT 701 Psychiatry Clerkship (360 hours)

PSYT 891 Psychiatry Elective (arranged)
 Opportunity for intensive learning experience in either a research area or a clinical area of the student's choice.



PUBLIC HEALTH AND PREVENTIVE MEDICINE

RICHARD H. HART, Chair

The School of Medicine's Department of Public Health and Preventive Medicine utilizes the faculty of the School of Public Health to carry out its functions. These responsibilities include the teaching of medical students and preventive medicine residents, conducting research in appropriate areas, and providing a wide variety of clinical services. The School of Public Health's Center for Health Research, Center for Health Promotion, and Center for Health and Development all provide valuable services for the School of Medicine. The Preventive Medicine Faculty Practice Group primarily functions out of the Center for Health Promotion, selected university health services, and the Social Action Community (SAC) Health System clinics.

FACULTY

PROFESSORS

David Abbey
 Lisa M. Beardsley
 Gary E. Fraser, MEDN
 Richard H. Hart
 Joyce W. Hopp
 William T. Jarvis
 Patricia K. Johnston
 Synnove M. F. Knutsen
 Jerry W. Lee
 Kristian D. Lindsted
 Susanne B. Montgomery
 Joan Sabate
 C. Torben Thomsen

CLINICAL PROFESSOR

Nabil Y. Razzouk

ASSOCIATE PROFESSORS

Barbara A. Frye Anderson
 S. Eric Anderson
 Glen G. Blix
 David T. Dyjack
 Linda H. Ferry, FMDN
 Albin H. Grohar
 Ella H. Haddad
 Helen P. Hopp-Marshak
 Jayakaran S. Job
 George E. Johnston
 Raymond Knutsen
 Jenifer J. Mason
 Naomi N. Modeste
 John W. Morgan
 Christine M. Neish
 Donald G. Pursley
 Gail T. Rice

ASSOCIATE CLINICAL PROFESSORS

Beverly J. Bradley
 Ronald P. Hattis
 Eric Ngo
 Thomas J. Prendergast
 Anthony B. Radcliffe

ASSISTANT PROFESSORS

Jane E. Adams
 Mihran N. Ask, MEDN
 W. Lawrence Beeson
 Bonnie I. Chi-Lum
 Cyril G. Connelly
 Zaida R. Cordero-MacIntyre
 T. Allan Darnell
 Ann L. Dew
 Barbara F. Dickinson
 Angela B. Dyjack
 Elaine K. Fleming
 Laura S. Funkhouser
 Donn P. Gaede
 H. Irene Grohar
 Donna R. Gurule
 Bryan L. Haddock
 Kenneth W. Hart
 Rosa P. Herring
 Gordon E. Hewes
 Georgia E. Hodgkin
 Troy Holmes
 Bessie L. Hwang
 Susan G. Irish
 Michael H. Jackson
 Holly A. Jason
 Suzanne Karefa-Johnson
 Tommy F. Kofoed
 Jeffrey C. Leeper
 Karl McLeary
 Gail M. Ormsby
 Ralph W. Perrin
 Warren R. Peters

Floyd E. Petersen
 John A. Pierce
 Hilton R. Raethel
 Sujatha Rajaram
 Emmanuel M. Rudatsikire
 Thomas H. Scoggins
 Pramil N. Singh
 Samuel Soret
 Teri S. Tamayose
 Gregory B. Williams
 David G. Wren
 Pearl G. Zimmerman

ASSISTANT CLINICAL PROFESSORS

Ardis S. Beckner
 Lynna S. Belin
 Frederick M. Bischoff
 Robert D. Blair
 Arlene F. Braham
 Richard Bruno
 Jann Cady-Marks
 David T. Duran
 Brent A. Fisher
 P. Mona Khanna
 Linda L. Levisen
 Ernesto P. S. Medina
 Susan E. Reische
 Gunter Reiss
 Douglas C. Richards
 Inherla H. Rivera
 Charles S. Salemi
 Richard A. Sanchez
 Bruce E. Smith
 Larry L. Thomas

ASSISTANT RESEARCH PROFESSORS

Lee S. Berk, PATH

INSTRUCTORS

J. C. Belliard
 George A. Cancel
 Danielle L. Wright

CLINICAL INSTRUCTORS

Carol J. F. Abidin
 Marilyn S. Kraft
 Diane T. Lamb
 Bryan R. Luna
 Samar S. McGregor

ADJUNCT PROFESSORS

James W. Blankenship
 P. William Dysinger
 John A. Scharffenberg

ADJUNCT RESEARCH PROFESSOR

Jan W. Kuzma

ADJUNCT ASSOCIATE PROFESSORS

Gilbert M. Burnham
 Ronald D. Lossett
 George R. Pettersen

Lester N. Wright

ADJUNCT ASSISTANT PROFESSORS

Terrence L. Butler
 Edward J. Gallagher
 Gary H. Harding

COURSES**PRVM 521, 522 Information Sciences and Population-Based Medicine (3, 3)**

Introduction to biostatistics, epidemiology, and nutrition issues. Discussion of techniques used in analyzing research and journal articles.

PRVM 891 Preventive Medicine Elective (arranged)**MDCJ 545, 546, 547 Medical Applications of the Basic Sciences (3, 2, 2)**

Students solve clinical problems by using their medical knowledge and accessing appropriate learning resources. Independent and small-group activities help students to identify their personal learning issues. A minimum of four hours per week in independent, self-directed learning activities.

MDCJ 701 Orientation to Clinical Medicine (240 hours)

Builds on the second-year course MDCJ 525, 526. Diagnosis to provide the knowledge, skills, values, and attitudes necessary to facilitate a smooth transition from the preclinical to the clinical curriculum.

MDCJ 821 Ambulatory Care Clerkship (240 hours)

Interdisciplinary, four-week rotation designed to broaden exposure to community-based health care done mainly in primary-care clinics. Clinical experience in areas not otherwise covered in the curriculum: dermatology and STDs, clinical preventive medicine, and integrative/whole-person care in ambulatory and managed-care settings.

COMPLEMENTARY DEGREES THROUGH SCHOOL OF PUBLIC HEALTH

Courses are offered in fulfillment of requirements for the Master of Public Health and Doctor of Public Health degrees. These programs are outlined in the BULLETIN of the School of Public Health.

RADIATION MEDICINE

JAMES M. SLATER, Chair

The purpose of the Department of Radiation Medicine is to provide superior patient services, education, and research using methods supportive of the Loma Linda University School of Medicine.

FACULTY

EMERITUS PROFESSOR

Ivan R. Neilsen

PROFESSORS

John O. Archambeau, PEDS, ANAT
Alain L. Fymat, RADS
Daila S. Gridley, MICR, BCHM
Daniel W. Miller
James M. Slater
Jerry D. Slater
Stanislav Vatnitsky

CLINICAL PROFESSOR

Fang Jen Lin

ASSOCIATE PROFESSORS

Gregory A. Nelson
Baldev R. Patyal
William Preston

ASSISTANT PROFESSORS

David A. Bush
George B. Coutrakon
Janet M. Hocko
Eugen B. Hug
Case H. Ketting
Richard P. Levy

Lilia N. Loredo
Albert C. Mak
Michael Moyers
Ivan Namihas
W. James Nethery
Carl J. Rossi, Jr.
James B. Slater, RADS
Waylene W. Swensen
Leslie T. Yonemoto

ASSISTANT CLINICAL PROFESSORS

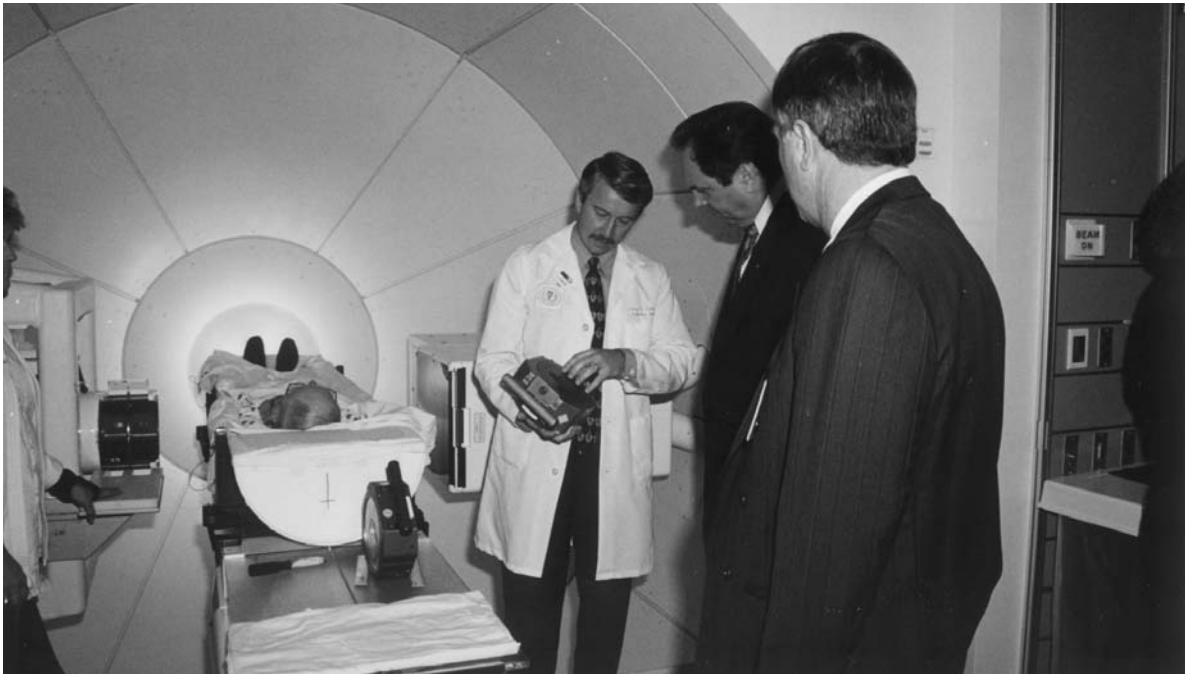
Christopher Gilman
David W. Mantik
Ernest Ngo
Reinhard W. Schulte

ADJUNCT RESEARCH PROFESSOR

Eleanor A. Blakely

COURSES

RDMN 891 Radiation Medicine Elective
(arranged)



RADIOLOGY

DAVID B. HINSHAW, JR., Chair

DIVISIONS

DIAGNOSTIC RADIOLOGY

GREGORY E. WATKINS, Head

COMMUNITY RADIOLOGY

RICHARD D. DUNBAR, Head

COMPUTED BODY TOMOGRAPHY

PHIROZE BILLIMORIA, Head

OUTPATIENT DIAGNOSTIC RADIOLOGY (FMO)

RICHARD J. TULLY, Head

DIAGNOSTIC ULTRASOUND

INPATIENT ULTRASOUND

GLENN A. ROUSE, Head

OUTPATIENT ULTRASOUND

GERALD GRUBE, Head

GENERAL ANGIOGRAPHY

DOUGLAS C. SMITH, Head

INTERVENTIONAL RADIOLOGY

FRANK C. TAYLOR, Head

MAGNETIC RESONANCE SCIENCES

DAVID B. HINSHAW, JR., Head

NEURORADIOLOGY

DANIEL K. KIDO, Head

NUCLEAR MEDICINE

GERALD A. KIRK, Head

PEDIATRIC RADIOLOGY

LIONEL W. YOUNG, Head

The purposes of the Department of Radiology are to provide:

1. Excellent patient services through imaging studies, special diagnostic procedures, and interventional procedures.
2. Educational programs that include research and clinical training for technologists, dosimetrists, physicists, medical students, postdoctoral fellows, radiology residents, and fellows.
3. Research support through laboratory facilities and clinical facilities.

FACULTY

EMERITUS PROFESSOR

Walter L. Stilson

PROFESSORS

Phiroze Billimoria
 Peter Dure-Smith
 Alain L. Fymat
 Geoffrey A. Gardiner
 David B. Hinshaw, Jr.
 Daniel K. Kido
 Joseph G. Llaurodo
 Eloy E. Schulz
 Douglas C. Smith
 Joseph R. Thompson
 Lionel W. Young, PEDS

CLINICAL PROFESSORS

Peggy J. Fritzsche
 Anton Hasso
 Isaac Sanders

ASSOCIATE PROFESSORS

Richard D. Dunbar
 Bernard W. Hindman
 Barbara Holshouser
 Gerald A. Kirk
 Glenn A. Rouse
 Frank C. Taylor
 Richard J. Tully

ASSOCIATE CLINICAL PROFESSORS

Patrick J. Bryan
 Arnold Z. Geller

ASSISTANT PROFESSORS

Bruce T. Austin
 Won-Chul Bae
 Donald T. Barnes
 Pairoj S. Chang
 Gerald Grube
 Samuel J. Ing
 Scott R. Kemmerer

Paul S. Kim
 Ingrid B. Kjellin
 George Y. Luh
 Michael McLeary
 Jon M. Miller
 Ved Prakash
 Moussa Raiszadeh
 Hans Saaty
 James B. Slater, RDMN
 Karen A. Tong
 Gregory Watkins
 Thomas E. Willey
 Nathaniel D. Wycliffe

ASSISTANT CLINICAL PROFESSORS

Christopher D. Cumings
 David Dee, Jr.
 Pearse Derrig
 Edward Gabriel
 Kathlene E. Guth
 William G. Jones
 Monika L. Kief-Garcia
 Jeanine A. McNeill
 John W. Mortensen
 Michael Neglio
 Dinesh Patel
 Hong Ro
 Garry D. Roghair
 Joseph S. Unis
 James Wolfsen
 Alix Vincent

COURSES

RADS 511 Radiation Sciences (participation)

RADS 891 Radiology Elective (arranged)

MDCJ 701 Orientation to Clinical Medicine (240 hours)

Builds on the second-year course MDCJ 525, 526. Diagnosis to provide the knowledge, skills, values, and attitudes necessary to facilitate a smooth transition from the preclinical to the clinical curriculum.

SURGERY

LEONARD L. BAILEY, Chair

DIVISIONS

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GENERAL

CLIFTON D. REEVES, Head

HEAD AND NECK (Otolaryngology)

GEORGE D. CHONKICH, Head

NEURO-

AUSTIN R. T. COLOHAN, Head

ORAL

KEITH HOFFMAN, Head

PEDIATRIC

DONALD C. MOORES, Interim Head

PLASTIC AND RECONSTRUCTIVE

ROBERT A. HARDESTY, Head

UROLOGY

H. ROGER HADLEY, Head

VASCULAR

J. DAVID KILLEEN, Head

The Department of Surgery is in harmony with the stated purposes and philosophy of the School of Medicine, Loma Linda University.

The purposes of the Department of Surgery are to:

1. Provide the highest standard of surgical patient care.
2. Maintain educational programs in the surgical disciplines for medical students, residents, and fellows.
3. Provide facilities for laboratory and clinical research in the areas of surgical interest.

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Steven R. Gundry, PEDS

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Anees J. Razzouk

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Edwin E. Vyhmeister

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Nan Wang

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Renzo Cecere
Karen Gan
George Kafrouni
Michael Wood

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Walter J. Ehrman



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Sandra Nehlsen-Cannarella, PATH, MICR
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Clifton D. Reeves

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Irving A. Fields
David Miller
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Frank A. Rogers

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Appannagari Gnanadev
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Paul H. Trotta

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Samir D. Johna
M. Ruth McLarty
Okechukwu N. Ojogho
Jorge L. Rivera, FMDN
Jonathan C. Salo
Arnold D. Tabuenca
David L. Vannix
William Wagner, ANAT, ORTH

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 Ira Bailie
 Linbrook Barker
 Lawrence Braslow
 Fekede Gemechu
 Lawrence A. Harms
 Lawrence E. Heiskell
 Faisal A. Khan
 Simon Keushkerian
 Mark L. Miller
 Lester L. Mohr
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 Robert S. Vannix
 Joseph J. Verska
 Hansen Wang
 M. Charles Warren
 David B. Welsh

INSTRUCTORS

Sherif G. S. Emil
 Virginia S. S. Huang

ADJUNCT PROFESSOR

Carlos Duran

COURSES**SURG 599 Directed Elective Study (240)**

SURG 701 Surgery Clerkship (720 hours)
 Includes one week on each service: anesthesiology, emergency medicine, neurosurgery, otolaryngology, ophthalmology, orthopaedic surgery, plastic surgery, and urology; and one month of general surgery.

SURG 821 Surgery Clerkship (240 hours)

Includes one-month service on general surgery.

SURG 822 Surgery ICU (120 hours)

Includes two-week service on a surgical intensive-care unit.

SURG 891 Surgery Elective (arranged)

May include pediatric surgery, vascular surgery, trauma surgery, general surgery, cardiothoracic surgery, plastic surgery, neurosurgery, otolaryngology, surgical intensive care, and urology.

HEAD AND NECK (Otolaryngology)**EMERITUS PROFESSOR**

Leland R. House

PROFESSORS

Linda D'Antonio
 George H. Petti, Jr.

CLINICAL PROFESSORS

Timothy Jung
 Jack L. Pulec

ASSOCIATE PROFESSORS

George D. Chonkich
 Robert P. Rowe
 Charles E. Stewart III

ASSOCIATE CLINICAL PROFESSORS

Stewart Fordham
 George C Gay
 Elmer W. Lorenz
 James A. Sadoyama

ASSISTANT PROFESSORS

Johnny Arruda
 Nathaniel Wycliffe, RADS

ASSISTANT CLINICAL PROFESSORS

James A. Heinrich
 Richard C. Rajaratnam

INSTRUCTORS

James D. Swift
 David G. McGann

CLINICAL INSTRUCTOR

Allen L. Hwang

COURSES**SURG 821 Surgery Clerkship (participation)****OTOL 891 Otolaryngology Elective (arranged)**

NEUROSURGERY

PROFESSORS

Austin R. T. Colohan
Lloyd A. Dayes
Wolff M. Kirsch

EMERITUS PROFESSOR

Shokei Yamada

CLINICAL PROFESSOR

Robert W. Rand

RESEARCH PROFESSOR

Findlay E. Russell

ASSOCIATE PROFESSOR

David S. Knierim, PEDS

ASSOCIATE CLINICAL PROFESSOR

Robert P. Iacono

ASSOCIATE RESEARCH PROFESSOR

Yong Hua Zhu

ASSISTANT PROFESSORS

Traian T. Cojocaru
Walter D. Johnson
Daniel Won

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Maged L. Abu-Assal
Brian V. Curtis
Joseph G. Hubbard
Marvin A. Korbin
Rosalinda M. Menoni
Frederick W. Pitts
Stanley A. Rouhe

ADJUNCT PROFESSOR

Robert Marohn

ADJUNCT ASSOCIATE PROFESSOR

Barry F. Pearce

COURSES

SURG 821 Surgery Clerkship (participation)

NEUS 891 Neurosurgery Elective (arranged)

ORAL

PROFESSOR

Philip J. Boyne

ASSOCIATE PROFESSOR

Keith Hoffman

PEDIATRIC

ASSOCIATE PROFESSOR

H. Gibb Andrews, PEDS
Mark W. Fullerton

ASSISTANT PROFESSOR

Gerald Gollin
Donald C. Moores

PLASTIC AND RECONSTRUCTIVE

PROFESSORS

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Robert A. Hardesty

ASSOCIATE PROFESSORS

Douglas L. Hendricks
Frank R. Rogers
Thomas J. Zirkle, EMDN

ASSISTANT PROFESSORS

Ben J. Childers
Brett E. Lehocky
Norman Y. Sogioka, PEDS

ASSISTANT CLINICAL PROFESSORS

Ghada Y. Afifi
Wil Alexander, FR, FMDN
Dennis K. Anderson
Jon Bishop
Norberto E. Collins
Steven C. Herber
Robert Kachenmeister
Sharon L. Kalina
Daniel B. Kim
Kaiming Li
Daniel C. Mills
Malcolm D. Paul
Allan W. Perry
Charlotte Reisch
John B. Slayback

CLINICAL INSTRUCTOR

Daniel B. Kim

INSTRUCTORS

Christopher L. Johnson
Anil P. Punjabi

UROLOGY**PROFESSORS**

J. Bruce Beckwith, PATH, PEDS
 Edward M. Blight
 H. Roger Hadley, SURG
 Steven C. Stewart

EMERITUS CLINICAL PROFESSOR

A. Estin Comarr

EMERITUS ASSOCIATE PROFESSOR

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ASSOCIATE PROFESSORS

Marc A. Beaghtler
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 Paul Lui
 J. David Moorhead, SURG, PEDS
 Herbert C. Ruckle

ASSOCIATE CLINICAL PROFESSOR

Peggy J. Fritzsche, RADS

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 Victor C. Ching
 Joseph G. Hubbard
 Edward C. Jacobs
 Darrell W. Lang
 Sze C. Lee
 Edward S. Loh
 Kevin P. McLaughlin
 Winston H. Richards
 Philbin R. R. Tackoor
 Robert R. Torrey, Jr.
 Richard J. Wilson

INSTRUCTORS

Duncan D. Harris
 Arnold I. Shatz

COURSES

SURG 821 Surgery Clerkship (participation)

UROL 891 Urology Elective (arranged)

VASCULAR**EMERITUS PROFESSOR**

Louis L. Smith

PROFESSORS

John J. Bergan
 J. David Killeen

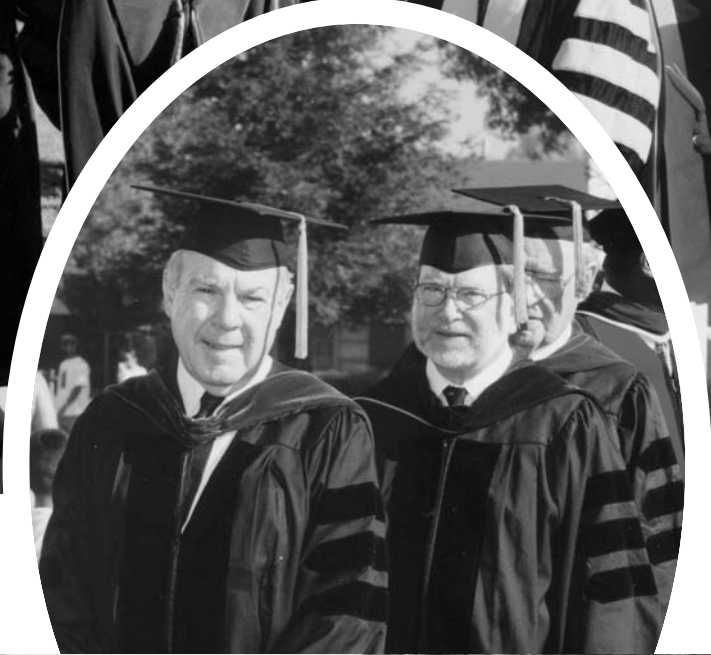
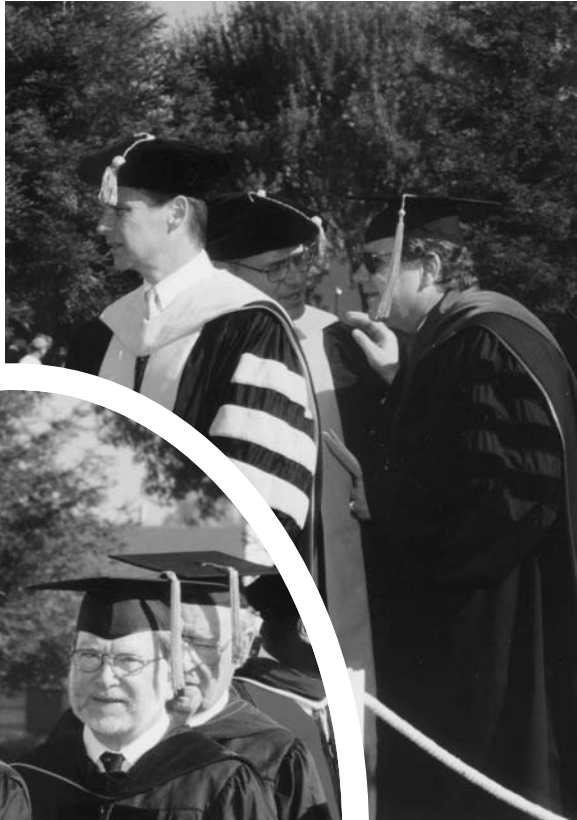
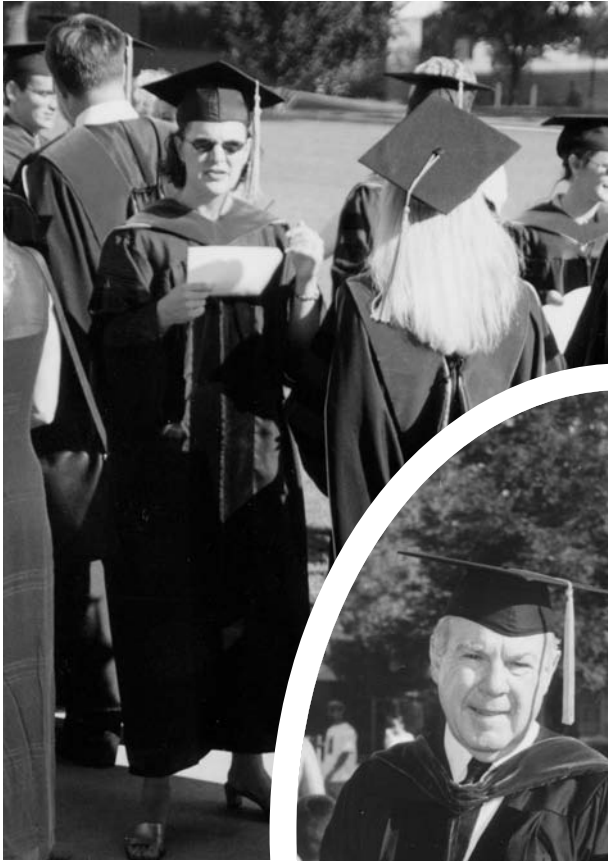
ASSOCIATE PROFESSORS

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 James L. Webster

ASSISTANT CLINICAL PROFESSORS

Edward F. Levine
 Lester L. Mohr
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 Robert Pereyra





IV

THE FACULTY OF RELIGION

Mission Statement

Courses

Faculty of Religion

MISSION STATEMENT

The Faculty of Religion is committed to the following four tasks, as informed by the teachings and practice of the Seventh-day Adventist heritage and mission:

1. To promote Christian wholeness for faculty and students in their personal and professional lives and witness.
2. To provide a religion curriculum with the following emphases:
 - Foundational studies (biblical, theological, mission, and historical).
 - Ethical studies (personal, professional, and social).
 - Relational studies (applied theology, clinical ministry, and psychology of religion).
3. To foster and support research in the foundational, ethical, and relational disciplines.
4. To serve the University, the church, and the larger world community by personal involvement in fostering deeper spirituality, theological integrity, and social justice.

COURSES

FOUNDATIONAL STUDIES

THEOLOGICAL STUDIES

RELF 707 Medicine, Humanity, and God (2)
Role of the practitioner of medicine as a co-worker with God in the healing of humankind.

RELF 716 God and Human Suffering (2)
Suffering and evil in relation to the creative and redemptive purposes of God for this world.

ETHICAL STUDIES

RELE 704 Medicine and Ethics (2)
Introductory study of Christian medical ethics, emphasizing personal integrity of the physician, procedures of moral decision making, and ethical problems facing contemporary medicine, such as abortion and euthanasia.

RELE 714 Advanced Medical Ethics (2)
Advanced study of issues and cases in contemporary medical ethics.

RELATIONAL STUDIES

APPLIED THEOLOGY

RELR 725 Wholeness for Physicians (2)
Knowledge, values, attitudes, and skills contributing to the physician's goal of personal wholeness.

CLINICAL MINISTRY

RELR 701 Orientation to Religion and Medicine (2)
Examination of the relationship between Scripture and the practice of medicine.

RELR 775 Art of Integrative Care (2)
Principles, concepts, and practices that affect the ministry of health care and the Christian witness in the clinical setting.



V

THE DIRECTORY

Officers of the Board of Trustees

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To Communicate with LLU Personnel

by Telephone, FAX, Web Site, Mail, and Email

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Brian S. Bull, M.D.

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Brian S. Bull, M.D.

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George M. Isaacs, M.D., Assistant to the Associate Dean (VAH Programs)

Combined-Degrees Programs:**M.S.T.P. and Conjoint Degrees**

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Graduate Medical Education

Daniel W. Giang, M.D., Associate Dean

Continuing Medical Education

Thomas J. Zirkle, M.D., Director

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P. Ben Nava
Floyd E. Petersen
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Robert L. Schultz
R. Bruce Wilcox
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Anthony J. Zuccarelli

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Assistant deans

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 Assistant deans

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 Dennis deLeon
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 Terence D. Lewis
 Lawrence K. Loo
 Arnold D. Tabuenca
 Robert J. Wagner
 Nancy Wheeler
 Lionel W. Young
 Thomas J. Zirkle
 House staff representatives

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 Daniel J. Cole
 Richard S. Kim
 James P. Larsen
 Lilia N. Loreda
 William H. McGhee
 Ronald Perkin
 Tamara L. Thomas
 Leonard S. Werner
 Patti Wright

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_____, Chair

Department chairs

Elected representatives

Invitees: Assistant and associate deans

#Clinical Science Faculty Council

_____, Chair

Elected representatives

Invitees: Assistant and associate deans

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 David L. Felten ('02)
 Daniel W. Giang ('00)
 James D. Kettering ('02)
 Michael A. Kirby ('99)
 Terence D. Lewis ('00)
 Shobha Sahney ('02)
 Herminia S. Salvador ('02)
 Robert W. Teel ('02)

#Clinical department chairs are ex officio members.

THE FACULTY INDEX

In the alphabetical listing that follows, the letters at the right of the name indicate the SM department or division and/or other School in which the faculty member is listed.

CODES

ADMN	Administration
ANAT	Anatomy
ANES	Anesthesiology
BCHM	Biochemistry
DERM	Dermatology
EMDN	Emergency Medicine
FMDN	Family Medicine
GYOB	Gynecology and Obstetrics
MEDN	Medicine
MICR	Microbiology
NEUR	Neurology
NEUS	Neurosurgery
OPHM	Ophthalmology
ORTH	Orthopaedic Surgery
OTOL	Otolaryngology
PATH	Pathology
PEDS	Pediatrics
PHRM	Pharmacology
PMRH	Physical Medicine and Rehabilitation
PHSL	Physiology
PRVM	Public Health and Preventive Medicine
PSYT	Psychiatry
RADS	Radiology
RDMN	Radiation Medicine
SURG	Surgery
UROL	Urology
AH	School of Allied Health Professions
GS	Graduate School
PH	School of Public Health
SD	School of Dentistry

#department chair, cochair

*leave of absence

EMERITUS FACULTY

Baumgartner, Conrad J.	SURG
Branson, Bruce W.	SURG
Brown, Albert F.	PATH
Brownsberger, Sidney B.	OPHM
Bullas, Leonard R.	MICR
Centerwall, Williard R.	PEDS
Cohen, Theodore M.	DERM

Comarr, A. Estin	UROL
Cover, William L.	MEDN
Crane, Milton G.	MEDN
Crawford, Raymond B.	MEDN
Dybdahl, Gerhardt L.	PATH
Eckmann, Bertram H.	MEDN
Ehlers, Hertha	PEDS
Engen, Paul C.	ANAT
Fields, Irving A.	SURG
Fraser, Ian M.	PHRM
Goldman, Theodore H.	PEDS
Graf, Walter S.	MEDN
Grames, George M.	MEDN
Hinshaw, David B., Sr.	SURG
Hirst, Albert E. Jr.	PATH
House, Leland R.	OTOL
John, Donald L.	MEDN
Johns, Varner J.	MEDN
Kambara, George K.	OPHM
Leff, Irving L.	MEDN
Lobo, Denis F.	ANES
Longerbeam, Jerrold K.	SURG
Massey, Ben D.	UROL
McCluskey, Elwood S.	PHSL
Miller, David	SURG
Mitchell, Daniel A., Jr.	ANAT, SURG
Moncrieff, Robert E.	PATH
Neilsen, Ivan R.	RDMN
Olson, Albert L.	PATH
Perzik, Samuel L.	SURG
Peters, Marvin A.	PHRM
Peterson, John E., Sr.	MEDN
Petry, Eugene L.	PEDS
Polesky, Fred A.	ORTH
Quick, E. Danford	MEDN
Quilligan, J. Joseph	RADS
Rendell-Baker, Leslie	ANES
Roberts, Walter H. B.	ANAT
Rogers, Frank A.	SURG

Rose, Clifton P.	PEDS	Anderson, David V.	ORTH
Rosenquist, Robert C.	MEDN	Anderson, Dennis K.	SURG
Ryckman, Raymond E.	MICR	Anderson, Donald L.	#PSYT
Shankel, Stewart W.	MEDN	Anderson, Donald Lynn	ANES
Shryock, E. Harold	ANAT	Anderson, Nancy J.	DERM, PEDS
Shure, Norman M.	MEDN	Anderson, S. Eric	PRVM
Siegel, Lawrence S.	PEDS	Andrews, D. Jeanne	PEDS
Smith, Louis L.	SURG	Andrews, H. Gibb	SURG, PEDS
Stilson, Mildred L.	PATH	Anholm, James D.	MEDN
Stilson, Walter L.	RADS	Antoine, John E.	RDMN
Street, Dana M.	ORTH	Aoyagi, Y. Paul	FMDN
Strother, Allen	PHRM	Applegate, Patricia J.	MEDN
		Applegate, Richard L. II	ANES
Thompson, Ralph J.	SURG	Archambeau, John O.	RDMN, PEDS, ANAT
Tilton, Bernard E.	PHRM, FMDN	Armijo, Javier A.	FMDN
		Armon, Carmel	NEUR
Wagner, Edward D.	MICR	Arruda, Johnny	OTOL
Walker, Weldon J.	MEDN	Ashwal, Stephen	NEUR, PEDS
Wareham, Ellsworth E.	SURG	Ask, Mihran H.	MEDN, PRVM
West, Raymond O.	FMDN	Assaad, Assaad N.	PEDS
Willard, Rodney E.	PATH	Austin, Bruce T.	RADS
		Avants, Teresa P.	GYOB
Yamada, Shokei	NEUS	Avila, Karole S.	PSYT
		Azer, Sherif A.	ANES

THE FACULTY

Abas, Nader A.	EMDN	Bacchus, Habeeb	MEDN
Abbey, David	PRVM	Bae, Moon S.	PMRH
Abboy, Ramadas	MEDN	Bae, Won-Chul	RADS
Abd-Allah, Shamel A.	PEDS	Bailey, Leonard L.	#SURG, PEDS
Abdollah, Karim	ORTH	Bailie, Ira	SURG
Abidin, Carol J. F.	PRVM	Balarezo, Carlos A.	SURG
Abu-Assal, Maged L.	NEUS	Balasubrananiam, Kumaravelu	MEDN
Ackley, Kimberley D.	OPHM	Balgama, Freddie B.	PEDS
Adams, Jane E.	PRVM	Ballard, Jeffrey L.	SURG
Adams, Joel E.	ORTH	Ballard, Robert H.	ORTH
Adey, W. Ross	PHSL, NEUR	Bandell, Herbert	UROLO
Afifi, Ghada Y.	SURG	Banerjee, Monica M.	MEDN
Ahmad, Borhaan S.	PEDS	Bangasser, Ronald P.	FMDN
Ahmad, Imdad	MEDN	Bansal, Dajeet B.	MEDN
Ahn, Changwoo	SURG	Bansal, Ramesh C.	MEDN
Aka, Paul	SURG	Barker, Linbrook	SURG
Akin, M. Rose	PATH	Barnes, Donald T.	RADS
Aldana, Daniel H.	PEDS	Bartley, James A.	PEDS
Al-Zaibag, Muyaed	MEDN	Bartos, Rebekah	MEDN
Albert, Julie M.	PSYT	Baum, Marti	PEDS
Alexander, Charles H.	ORTH	Baylink, David J.	BCHM, MEDN, ORTH
Alexander, Wil	FMDN, SURG	Beaghler, Marc A.	UROLO
Allard, Martin W.	ANES	Beal, William S.	ORTH
Aloia, Roland C.	ANES, BCHM	Beardsley, Lisa M.	PRVM
Alvarez, Ofelia A.	PEDS	Beckner, Ardis S.	PRVM
Anderson, Barbara A. Frye	PRVM	Beckwith, J. Bruce	PATH, PEDS, UROLO
		Bedros, Antranik A.	PEDS
		Bee, David M.	MEDN

Beehler, Connie J.	MEDN	Brauer, Stanley D.	ANES
Beeson, W. Lawrence	PRVM	Bravo, Norman D.	FMDN
Behrens, B. Lyn	PEDS	Briggs, Bernard D.	ANES
Bekendam, Pamela Y.	OPHM	Briggs, Burton A.	ANES, PEDS, SURG
Belen, Nenita	PSYT	Brinegar, Charles H., Jr.	MEDN
Belin, Lynna S.	PRVM	Britt, Wm. G. III	PSYT
Belliard, J. C.	PRVM	Brown, Gary W.	MEDN
Bellinger, Denise	PATH	Brown, Scott E.	PMRH
Belote, James H.	PEDS	Brown, William E.	ORTH
Beltz, Richard E.	BCHM	Brown-Harrell, Vickie D.	MEDN
Bergan, John C.	SURG	Brownlee, Robert W.	SURG
Berglund, Hazel J.	ORTH	Bruckner, Evert A.	MEDN
Berk, Lee S.	PATH, PRVM	Bruno, Richard	PRVM
Berriman, Diane J.	MEDN	Bruttomesso, Samuel A.	PEDS
Bestard, Eduardo A.	ORTH	Bryan, Patrick J.	RADS
Bhat, Venkatesh G.	PSYT	Buchholz, John	PHRM
Bhatt, Dilip R.	PEDS	Bui, Hong	PEDS
Bietz, Duane S.	SURG	Bull, Brian S.	#PATH
Billimoria, Phiroze	RADS	Bull, Maureen H.	ANES
Bischoff, Frederick M.	PRVM	Bullock, Weldon J.	PATH
Bishop, Jon	SURG	Bunnell, William P.	ORTH, PEDS
Blacharski, Paul A.	OPHM	Burnham, Gilbert M.	PRVM
Blackman, Donald M.	MEDN	Bush, David A.	RDMN
Blaine, Andrew C.	PSYT	Bush, Sean P.	EMDN
Blaine, Cyril D.	MEDN	Butler, Terrence L.	PRVM
Blair, Robert D.	PRVM	Byrne, John M.	MEDN
Blakeley, Eleanor A.	RDMN		
Bland, David	MEDN	Cady-Marks, Jann M.	PRVM
Blankenship, James W.	PRVM	Camacho, Elber S.	MEDN
Blanton, Christopher L.	OPHM	Cancel, George A.	PRVM
Blaylock, Andre V.	FMDN	Cantin, Edouard	MICR
Blight, Edward M.	UROL	Cantos, Kenneth	PATH
Blix, Glen G.	PRVM	Cao, Jeffrey D.	PATH
Block, Barry S.	GYOB	Carnahan, Clarence, Jr.	PSYT
Blomquist, Ingrid K.	MEDN	Carlin, Lorna S.	PSYT
Bocachica, John H.	MEDN	Carter, Ethelred E.	MEDN
Bohr, Thomas W.	NEUR	Carter, P. Richard	SURG
Boling, Eugene P.	MEDN	Casiano, Carlos A.	MICR
Bonnet, Reiner	MEDN	Castanotto, Daniela	MICR
Borut, Danielle L.	PEDS	Castro, Daniel	MEDN, FMDN
Bouland, Daniel L.	MEDN	Catalano, Richard D.	SURG, EMDN
Bounds, Jeffrey A.	NEUR	Cecere, Renzo	SURG
Boyne, Philip J.	SURG	Cemaj, Samuel	SURG
Bozzetti, Louis P., Jr.	PSYT	Cha, Chul C.	PEDS
Bradley, Beverly J.	PRVM	Cha-Kim, Angela	PMRH
Bradshaw, Tonda D.	MEDN	Challakere, Kedernath K.	PSYT
Braham, Arlene	PRVM	Chan, Clement K.	OPHM
Brandon, Antonius D.	PSYT	Chan, Philip J.	GYOB, PHSL
Brandstater, Bernard J.	ANES	Chaney, Robert H.	MEDN
Brandstater, Murray E.	#PMRH	Chang, Andrew C. H.	MEDN
Brandt, Allen L.	ANES	Chang, Pairoj S.	RADS
Brar, Harbinder S.	PEDS	Charles-Marcel, Zeno L.	MEDN
Braslow, Lawrence	SURG	Chase, Donald R.	PATH
Brauer, Floyd S.	ANES	Chase, Resa L.	PATH

Chaudhuri, Kali	ORTH	Craig, Kevan Z.	PMRH
Checchia, Paul A.	PEDS	Craig, William A.	ORTH
Cheek, Gregory	MEDN	Cranston, Richard T.	PSYT
Chen, Chien-Shing	MEDN	Cress, C. Raymond	PHRM
Chen, Jeng-Hong	MEDN	Crittenden, I. Hunter	PEDS
Chen, Shin Tai	BCHM	Culver, Donald L.	MEDN
Chen, Yang K.	MEDN	Cummings, Christopher D.	RADS
Cheng, George	ANES	Cummings, Michael A.	PSYT
Chhabra, Gurbir	ORTH	Cunningham, Janet A.	FMDN
Chi-Lum, Bonnie I.	PRVM	Curtis, Brian V.	NEUS
Chick, Wilson K. W.	PATH	Cutler, Drew	PEDS
Childers, Ben J.	SURG	Cutler, Ralph E.	MEDN, PHRM
Chin, Terry W.	PEDS		
Ching, Victor C.	UROL	D'Antonio, Linda	OTOL, SURG
Chinnock, Richard E.	PEDS, EMDN	Dael, Christopher D.	PEDS
Chonkich, George D.	OTOL	Dai, Qiang G.	ORTH
Choo, Daniel C. A.	MEDN	Dai, Vo Minh	PEDS
Choo, Evelyn B.	PATH	Dandamudi, Nagamani	MEDN
Chow, Tony	EMDN	Daniel-Underwood, Linda	EMDN
Christison, Caron S.	PSYT	Daniels, Althea P.	PEDS
Christison, George W.	PSYT	Dannenbergh, Bernard W.	EMDN, PEDS
Chua, Samuel C.	EMDN	Darnell, T. Allan	PRVM
Chung, Deborah M.	ANES	Dasgupta, Chiranjib	BCHM
Chung, Paul Y.	OPHM	Date, Vishvanath V.	MEDN
Chung, Iris L.	FMDN	Davidian, James L.	OPHM
Churg, Warren B.	FMDN	Davidson, Bert J.	GYOB
Cipta, Anne T.	ANES	Davis, Clyde L.	ORTH
Clark, Susan J.	PEDS	Davis, Rhonda P.	PHRM
Clarke, Ian C.	ORTH	Dayes, Lloyd A.	NEUS
Cleaves, Wallace	PEDS	Dee, David, Jr.	RADS
Clippinger, Karen S.	PMRH	DeGuzman, Lino J.	MEDN
Clover, William M.	PEDS	DeLeon, Daisy D.	PHSL
Coen, Michael J.	ORTH	DeLeon, Dennis	FMDN
Coggin, C. Joan	MEDN	DeLeon, Marino A.	PHSL
Cojocar, Traian T.	NEUS	del Rio, Michael	SURG
Colburn, Keith K.	MEDN	Deming, Douglas	PEDS
Cole, Bradley A.	NEUR	Denler, Loren L.	OPHM
Cole, Daniel J.	ANES	Denmark, Thomas C.	MEDN
Collen, Martin J.	MEDN	Deppe, Linda	FMDN
Collier, Carl E.	ANES	Derrig, Pearse	RADS
Collins, Norberto E.	SURG	Devlin, Vincent J.	ORTH
Colohan, Austin R. T.	NEUS	Dew, Ann L.	PRVM
Concepcion, Waldo	SURG	Dexter, James R.	MEDN
Condon, Stanley C.	MEDN	Dickinson, Barbara F.	PRVM
Connelly, Cyril G.	PRVM	Dimyan, Sherif A.	NEUR
Cooper, James H.	SURG	Dombrowski, Edmund T.	ORTH
Corbett, Steven W.	EMDN	Donaldson, Thomas K.	ORTH
Cordero-MacIntyre, Zaida R.	PRVM	Doram, Keith R.	MEDN
Corselli, Johannah	GYOB, PATH	Doran, Kenneth D.	MEDN
Cosgrove, Daniel S.	MEDN	Doroshov, George D.	PEDS
Cottrell, Alfred C.	MEDN	Downey, Ralph III	MEDN
Couperus, James J.	#MEDN	Doyle, Brian S.	ORTH
Coutrakon, George B.	RDMN	Drachenberg, Juan C.	GYOB
Craig, Debra D.	MEDN, FMDN	Drinkard, James P.	MEDN

Duazo, Neita R.	PATH	Fisher, Franz P.	MEDN
Duckles, Sue P.	PHRM	Flaxel, Christina J.	OPHM
Ducsay, Charles A.	PHSL	Fleming, Elaine K.	PRVM, PH
Duffin, Robert M.	OPHM	Fleming, John	FMDN
Dunbar, Jennifer A.	OPHM	Fletcher, Hansel M.	MICR
Dunbar, Richard D.	RADS	Fletcher, William H.	ANAT, PHSL
Duncan, Jan W.	ORTH	Flowers, Mary Alice	MEDN
Duran, Carlos	SURG	Fodor, Istvan	MICR
Duran, David T.	PRVM	Fordham, Stewart	OTOL
Dure-Smith, Peter	RADS	Forland, Steven C.	MEDN
Dyer, James F., Jr.	PSYT	Foster, Glenn L.	MEDN
Dyjack, Angela B.	PRVM	Foster, Ray L.	ORTH
Dyjack, David T.	PRVM	Fowler, Sylvia K.	MEDN
Dysinger, P. William	PRVM	Fox, David	PEDS
		Fox, George	PEDS
Eaton, Douglas O. W.	MEDN	Fraser, Gary E.	MEDN, PRVM
Eby, William C.	MICR	Frazier, Calvin H.	ORTH
Ehrman, Walter J.	SURG	Friley, Joy I.	PATH
Elder, Harvey A.	MEDN, MICR	Friedman, Gerald S.	MEDN
Eli, Bradley	PMRH	Friedrichsen, Eric J.	OPHM
Elmendorf, Edward	PEDS	Fritzsche, Peggy J.	RADS, UROL
Emil, Sherif G. S.	SURG	Frivold, Geir P.	MEDN
Enge, Kari M.	PSYT	Frykman, Gary K.	ORTH
Engel, Thomas P.	ANES, PHRM	Fullerton, Monte W.	SURG
Englander, David M.	EMDN	Funkhouser, Laura	PEDS
Erickson, David G.	ORTH	Fymat, Alain L.	RADS, RDMN
Escher, Alan P.	MICR		
Escobar-Poni, Bertha C.	ANAT	Gabriel, Edward	RADS
Escutin, Rodolfo O.	NEUR	Gaede, Donn P.	PRVM
Evans, Dwight C.	MEDN	Gallagher, Edward J.	PRVM
Evans, J. Robert	MEDN	Gan, Karen	SURG
Evans, Michelle L.	GYOB	Gandy, Mary L.	PEDS
		Gangolly, Jothi	ANES
Fagoaga, Omar R.	PATH/ANAT	Garberoglio, Carlos A.	SURG
Fahmy, Raed N.	MEDN	Garberoglio, Maria C.	PEDS
Fallows, James A.	MEDN	Gardiner, Geoffrey A.	RADS
Fandrich, Bryan L.	SURG	Garlitos, Juanito	MEDN
Fang, David	SURG	Gay, George C.	OTOL
Fanous, Yvonne	PEDS	Geller, Arnold Z.	RADS
Fargo, Wise M.	PEDS	Gemechu, Fekede	SURG
Farley, John R.	BCHM, MEDN	Ghalambor, Navid	ORTH
Fayard, Carlos R.	PSYT	Ghazal, Elizabeth	ANES
Fayard, Elba E. S.	PEDS	Ghazal, Ronny G.	ORTH
Fedak, Marian A.	MEDN	Giang, Daniel W.	#NEUR
Felten, David L.	PATH	Gibson, Desmond D.	DERM
Fernando, Miguelito M.	GYOB	Gibson, Emily D.	GYOB
Fernando, Nancy R.	PEDS	Gibson, Thomas E., Jr.	GYOB
Fernando, Ronald S.	MEDN	Giebel, Arthur W.	OPIH
Ferris, Mary E.	FMDN	Giem, Marla G.	MEDN
Ferry, David R.	MEDN	Giem, Paul A. L.	EMDN
Ferry, Linda H.	PRVM, FMDN	Gierz, Monika	PSYT
Finley, J. Michael	MEDN	Giese, Herbert A., Jr.	PEDS
Firek, Anthony F.	MEDN	Gilbert, Raymond	GYOB, PHSL, ANAT
Fisher, Brent A.	PRVM	Gilman, Christopher	RDMN

Gimbel, Howard	OPHM	Hallatt, Jack G.	GYOB
Gnanadev, Appannagari	SURG	Haller-Wade, Tina	FMDN
Godfrey, Thomas E.	MEDN	Halverson, Janet E.	PEDS
Gold, Philip M.	MEDN	Hamamura, Richard K.	ANES
Godil, Aslam	MEDN	Hammond, Paul G. S. J.	MEDN
Godil, Fouzia	MEDN	Hanna, Fikry F.	PATH
Gollin, Gerald	SURG	Hardesty, Jeffrey S.	GYOB
Gollin, Yvonne G.	GYOB	Hardesty, Robert	SURG
Gomer, Perin D.	NEUR	Hardin, Steven B.	MEDN
Gonzaça, Alma A.	MEDN	Harding, Gary H.	PRVM
Gonzaça, Eduardo J.	MEDN	Harding, George T. IV	PSYT
Gonzalez, Ramon R., Jr.	PHSL	Hardt, William H.	MEDN
Gonzalez, Wilbert	GYOB	Harms, Lawrence A.	SURG
Goodlow, Gerald R.	PMRH	Harris, Anna L.	ANES
Gorenberg, Alan	MEDN	Harris, Duncan D.	UROL
Gorenberg, Daniel	MEDN	Harris, John J.	MEDN
Gottlieb, Bernard	DERM, MEDN, PATH	Harris, Melvyn L.	EMDN
Grames, Barry S.	ORTH	Hart, Kenneth W.	PRVM
Grange, Jeffrey L.	EMDN	Hart, Richard H.	#PRVM
Gray, Timothy P.	ORTH	Hashmi, Aijaz	PEDS
Green, Lora M.	MICR, MEDN	Hasso, Anton	RADS
Green, Steven M.	EMDN	Hathout, Eba H.	PEDS
Gregg, Robert H.	GYOB	Hattis, Ronald P.	PRVM
Gregorius, Beverly J.	GYOB	Hau, Benny	FMDN
Gridley, Daila S.	MICR, BCHM, RDMN	Hauck, Arthur J.	PATH
Griffin, Margaret A.	MEDN	Hauck, Loran D.	MEDN
Griffin, Ronald	MEDN	Haviland, Mark G.	PSYT
Grill, Bruce B.	PEDS	Haywood, L. Julian	MEDN
Grohar, Albin H.	PRVM	Hayden, Jess, Jr.	ANAT
Grohar, H. Irene	PRVM	Heart, Joya	PEDS
Gropen, Joseph	MEDN	Hegstad, Douglas R.	MEDN
Grube, Gerald	RADS	Heidinger, Harvey	PEDS
Gu, Weikuan	MEDN	Height, Vickie V.	MEDN
Gugan, Añnes S.	PEDS	Heine, Nancy J.	MEDN
Gundry, Steven R.	SURG, PEDS	Heinrich, James A.	OTOL
Gunnarsson, Jocelyn	MEDN	Heischober, Bruce	EMDN, PEDS
Gurule, Donna R.	PRVM	Heiskell, Laurence E.	SURG
Gustafson, G. Allen	ORTH	Hendricks, Douglas L.	SURG
Guth, Kathlene E.	RADS	Herber, Marilyn	GYOB
Guzek, James	OPHM	Herber, Raymond	MEDN
Guzman, Ernie	PEDS	Herring, Rosa P.	PRVM
Guzon-Castro, Erlinda	ANES	Herrman, Jan M.	MEDN
Gysin, Reinhard	MEDN	Herrmann, E. Clifford	BCHM
		Hessinger, David A.	PHSL, PHRM, BCHM
Haddad, Ella H.	PRVM	Heustis, Darryl G.	PATH
Haddad-Wilson, Mouna E.	MEDN	Hewes, Gordon E.	PRVM
Haddock, Bryan L.	PRVM	Heywood, J. Thomas	MEDN
Hadley, G. Gordon	PATH	Hill, Arthur C.	SURG
Hadley, H. Roger	UROL	Hill, Kevin B.	MEDN
Hage, Jean-Claude	FMDN	Hillebrand, Donald J.	MEDN
Hahn, Young-il H.	GYOB	Hilliard, Dennis A.	MEDN
Halaska, Barbara N.	DERM	Hilliker, Sandra	MICR
Hale, William R.	ORTH	Hillock, Ronald H.	PATH/ANAT
Hall, Raymond G., Jr.	PHSL	Hindman, Bernard W.	RADS

Hindman, Joseph K.	PEDS	Jacobs, Edward C.	UROL
Hinshaw, David B., Jr.	#RADS	Jacobsen, Wayne K.	#ANES, PEDS
Hirokane, Jane M.	DERM	Jacobson, Alan K.	MEDN
Hocko, Janet M.	RDMN	Jacobson, John D.	GYOB
Hodgkin, Georgia E.	PRVM	Jahromi, Mehdi S.	MEDN
Hoffman, Keith D.	PATH, #SURG, SD	James, Patricia L.	EMDN
Hoffman, Thomas J.	MEDN	Jang, Geun C.	MEDN
Hoffner, Richard J.	EMDN	Janner, Donald L.	PEDS
Hohl, Joseph C.	ORTH	Jason, Holly A.	PRVM
Holmes, Troy	PRVM	Jarvis, William T.	PRVM
Holness, Yvette A.	PMRH	Jaspan, Robert L.	ORTH
Holshouser, Barbara	RADS	Javor, George T.	BCHM, MICR
Hong, Jeffrey C.	OPHM	Jay, Shirlene	DERM
Hooker, William M.	ANAT	Jenkins, Rick L.	PSYT
Hopp-Marshak, Helen P.	PRVM, FMDN, PH	Jennings, John C.	MEDN
Hopp, Joyce W.	PRVM, PH	Jensen, Curtis M.	EMDN
Hopper, Andrew O.	PEDS	Jesse, Claran H.	ORTH
Horstmann, Jonathan	FMDN	Job, Jayakaran S.	PRVM
Hotchner, Bradley R.	ORTH	Job, Leela	PEDS
Houchin, Kenneth	OPHM	Jobe, Christopher M.	#ORTH, PATH
Houwen, Berend	PATH	Johl, Karnjit	MEDN
Howard, Frank D. IV	MEDN	Johna, Samir D.	SURG
Hoxie, Russell E.	MEDN	Johnson, Bernarr B.	ORTH
Hoyle, Jerry D.	PSYT	Johnson, Cameron J.	PSYT
Hsia, Patricia C.	MEDN	Johnson, Christopher L.	SURG
Huang, Christopher T.	GYOB	Johnson, D. Robert	ORTH
Huang, Galen C. L.	MEDN	Johnson, John L.	PEDS
Huang, Virginia S. S.	SURG	Johnson, Mark	MICR
Huang, Wen-Hsiung L.	PEDS	Johnson, Robert L.	MEDN
Hubbard, Joseph G.	UROL	Johnson, Ronald B.	GYOB
Hubbard, Richard W.	PATH, BCHM	Johnson, Walter D.	NEUS
Hu, Ke-qin	MEDN	Johnston, George E.	PRVM
Huffaker, Gary G.	OPHM	Johnston, Patricia K.	PRVM
Hug, Eugen B.	RDMN	Jones, John S.	EMDN
Hughes, Walter W.	PATH	Jones, William G.	RADS
Hunt, Enacio G.	MEDN	Jorteg, Torbjorn I.	MEDN
Hurley, Mary E.	ORTH	Josselson, Albert J.	MEDN
Hwang, Allen L.	OTOL	Jouline, Igor B.	MICR
Hwang, Bessie L.	PRVM	Jung, Timothy	OTOL
Hyman, Charles J.	PEDS	Junkert, William E., Jr.	FMDN
Iacono, Robert P.	NEUS	Jutzy, Kenneth R.	MEDN
Ibrahim, Rauof A.	PEDS	Jutzy, Roy V.	MEDN
Ihde, Janet H.	SURG	Kachenmeister, Robert	SURG
Ing, Michael B.	MEDN	Kafrouni, George	SURG
Ing, Samuel J.	RADS	Kalbermatter, Olga	PEDS
Irish, Susan G.	PRVM	Kaleita, Thomas A.	PEDS
Isaacs, George M.	MEDN	Kalina, Sharon L.	SURG
Isaacs, Kristen E.	OPHM	Kamdar, Vikram V.	MEDN
Isaeff, Dale M.	MEDN	Kanel, Harris H.	ORTH
Isinhue, Ming Chang	FMDN	Kantoci, Darko	MEDN
Jackson-Townsend, Denise L.	MEDN	Karefa-Johnson, Suzanne	PRVM
Jackson, Michael H.	PRVM	Kasper, August	PSYT
Jacobs, Durand F.	PSYT	Katz, Jeffery	MEDN

Kay, Brent W.	MEDN	Krishnan, Rajagopal	MEDN
Kean, Charles	PHSL, SURG, SD	Ku, James S.	FMDN
Keany, James E., Jr.	EMDN	Kuhn, Irvin N.	MEDN
Kedlaya, Divakara	PMRH	Kuhn, Michael	PEDS
Keeney, Elden D.	GYOB	Kurth, Donald J.	PSYT
Kemmerer, Scott R.	RADS		
Kennedy, Casey M. C.	MEDN	Lal, Satish K.	ORTH
Kestenbaum, David J.	MEDN	Lam, Mary	PEDS
Kettering, James D.	MICR	Lamb, Diane T.	PRVM
Ketting, Case H.	RDMN	Lambert, Dorothee	NEUR
Keushkerian, Simon	SURG	Lamberton, Henry L.	PSYT
Khalil, Sherif F.	MEDN	Lamin, Victor K.	MEDN
Khan, Faisal A.	SURG	Landa, Howard	UROLOG
Khan, A. Hafeez	MEDN	Lang, Darrell W.	UROLOG
Khanna, P. Mona	PRVM	Langga-Sharifi, Euly M.	MEDN
Khehra, Balram S.	MEDN	Langridge, William	BCHM, MICR
Khoja, Sadruddin G. Hussain	MEDN	Lansing, J. Dee	GYOB
Kidder, Melissa Y.	GYOB	Lao, Wilson D.	MEDN
Kido, Daniel K.	#RADS	Larsen, James P.	MEDN
Kief-Garcia, Monika L.	RADS	Larsen, Ranae	PEDS
Killeen, J. David	SURG	Larsen, Steven E.	MEDN
Kim, Daniel B.	SURG	Lau, Alan C. K.	MEDN
Kim, Daniel I.	MEDN	Lau, Benjamin H. S.	MICR
Kim, Grace J.	EMDN	Lau, Carol A.	ANES, PEDS
Kim, Jien Sup	PMPH	Lau, Francis Y. K.	MEDN
Kim, Paul S.	RADS	Lau, Kam Y.	MEDN
Kim, Robin	ANES	Lau, Kathleen M.	GYOB
Kim, Richard	FMDN	Lau, Kin-Hing W.	MEDN, BCHM
Kimball-Jones, Penny L.	ANES	Lau, Susie H.	MEDN
Kinback, Kevin M.	PSYT	Leach, Richard A.	FMDN
King, Alan	#GYOB	Lee, Charles	ANES
Kirby, Michael A.	PEDS, PATH/ANAT	Lee, Esther C.	PMRH
Kirk, Gerald A.	RADS	Lee, Jerry W.	PRVM
Kirkish, Patricia M.	PSYT	Lee, Jonathan C.	PMRH
Kirsch, Wolff M.	NEUS, BCHM	Lee, Joseph	MEDN
Kjellin, Ingrid B.	RADS	Lee, Kil Un	PATH
Klein, Robert A.	NEUR	Lee, Scott W.	MEDN
Klooster, Marquelle J.	PEDS	Lee, Soon S.	DERM
Klop, Winiford J.	PSYT	Lee, Sze C.	UROLOG
Knierim, David S.	NEUS, PEDS	Lee, Tony B.	FMDN
Knutsen, Raymond	PRVM	Leeper, Jeffrey C.	PRVM
Knutsen, Synnove M. F.	PRVM	Lehocky, Brett E.	SURG
Koffman, Martin	ORTH	Leonora, Carmela M.	MEDN
Kofoed, Tommy F.	PRVM	Leonora, John	#PHSL, BCHM
Koobs, Dick H.	PATH	Lessard, George M.	BCHM
Kootsey, J. Mailen	#PHRM, PHSL	Lester, Margaret H.	FMDN
Kopec, Kenneth M.	FMDN	Leung, Duncan	MEDN
Kopiloff, George	PSYT	Levine, Edward F.	SURG
Korbin, Marvin A.	NEUS	Levine, Paul A.	MEDN
Korpman, Ralph A.	PATH	Levine, Victor D.	EMDN
Kounang, Robertus H.	PMRH	Levison, Linda L.	PRVM
Kovitz, Benjamin	PSYT	Levy, Jody D.	MEDN
Kraft, Marilyn S.	PRVM	Levy, Richard P.	RDMN
Krick, Edwin H.	MEDN	Lewis, John E.	MEDN, MICR, PATH

Lewis, Terence D.	MEDN	Marilao, Hilario A.	PEDS
Li, Kai Ming	SURG	Marohn, Robert	NEUS
Li, Xin Min	MEDN	Marsa, Robert J.	MEDN
Li, Yiming	MICR, SD	Martell, Jerry T.	MEDN
Libanati, Cesar	MEDN	Martin, Frederick J.	PEDS
Lilly, Michael B.	MICR, MEDN	Martin, Robert D.	ANES
Lin, Fang Jen	RDMN	Marxmiller-Bork, Jane	PEDS
Lin, Ren Jang	MICR	Maskin, Michael B.	PSYT
Lindsey, Leigh A.	PSYT	Mason, Jenifer J.	PRVM
Linkhart, Thomas A.	BCHM, PEDS	Mason, Linda J.	ANES, PEDS
Linsted, Kristian D.	PRVM	Matiko, James D.	ORTH
Liu, Arthur M.	FMDN	Mattos, Robert	FMDN
Liu, Paul C. W.	ORTH	Mauer, James S.	PSYT
Liwnicz, Boleslaw H.	PATH, NEUR	Mazlumian, Jorge R.	PEDS
Liwnicz, Regina G.	PSYT	McClure, Chalmers D. III	PEDS, NEUR
Llaurado, Joseph G.	RADS	McCracken, John D.	MEDN
Lo, Takkin	MEDN	McGann, David G.	OTOL
Lofthouse, Gerald	FMDN	McGhee, William H.	PSYT
Loh, Edward S.	UROL	McGill, Kenneth J.	GYOB
Loh, Michelle H.	PEDS	McGregor, Samar S.	PRVM
Loh, Samuel	ANES	McGrew, David R.	OPHM
Lois-Wenzel, Maria	PEDS	McIvor, Deborah	ANES
Longo, Lawrence D.	GYOB, PHSL, PEDS	McLarty, M. Ruth	SURG
Lonser, Ewald R.	PATH	McLaughlin, Kevin P.	UROL
Loo, Lawrence K.	MEDN	McLeary, Karl	PRVM
Loredo, Lilia N.	RDMN	McLeary, Michael	RADS
Lorenz, Elmer W.	OTOL	McMillan, Paul J.	ANAT
Lorenz, Kenneth L.	ORTH	McNeill, James I.	OPHM
Lossett, Ronald D.	PRVM	McNeill, Jeanine A.	RADS
Loughman, Barbara E.	MEDN	Medina, Ernesto P. S.	PRVM
Loverso, Felice L.	PMRH	Mehr, Lois M.	FMDN
Lowe, Timothy	ANES	Mehta, Chandrakant V.	MEDN
Lu, Abraham T.	MEDN, NEUR, PATH	Mehta, Sukh S. R.	MEDN
Luh, George Y.	RADS	Meltzer, Elliot A.	FMDN
Lui, Paul	UROL	Menoni, Rosalinda M.	NEUS
Luna, Bryan R.	PRVM	Merkel, Clifford D.	ORTH
Luther, R. Daniel	EMDN	Meyer, James A.	ANES
Lynch, E. Lea	EMDN	Meyer, Robert E., Jr.	PEDS
Mace, John W.	#PEDS	Miao, Michael	ORTH
MacKenzie, D. Allan	ORTH, PEDS	Mierau, Gary W.	PATH
Mackett, M. C. Theodore	SURG	Milholm, Richard L.	FMDN
MacMurray, James P.	PSYT	Miller, Daniel W.	RADS
Maeda, George	PHSL	Miller, Donald	NEUR, MEDN
Mak, Albert C.	RDMN	Miller, James S.	PEDS
Malik, Priya	MEDN	Miller, Jon M.	RDMN
Malott, Richelle L.	PATH	Miller, Kenneth	PSYT
Manchanda, Ramesh K.	MEDN	Miller, Mark L.	SURG
Mann, Julie P.	PEDS	Mills, Daniel C.	SURG
Manoucheri, Manoucher	FMDN	Mitchell, Robert D.	MEDN
Mantik, David W.	RDMN	Mittal, Renu	FMDN
Marais, Gary E.	MEDN, FMDN	Modeste, Naomi N.	PRVM
Marais, H. John	MEDN	Moersch, Richard N.	SURG
		Mofid, Massoud	GYOB

Mohan, Subburaman	BCHM, MEDN, PHSL	Ng, Sherlene	MEDN
Moheimani, Assad	ORTH	Ngo, Can Thanh	ANES
Mohn, Gina J.	FMDN	Ngo, Eric	PRVM
Mohr, Lester L.	SURG	Ngo, Ernest	RDMN
Molinaro, Giuseppe	MICR, PATH, PEDS	Ngo, Madeline N.	PEDS
Moloney, Patrick M.	MEDN	Nitta, Annette T.	MEDN
Montgomery, Susanne B.	PRVM	Nizar-Oentojo, Lanny	PEDS
Moores, Donald	SURG	Noguchi, Thomas T.	PATH
Moorehead, Morrel T.	PATH	Nourok, David S.	MEDN
Moorhead, J. David	UROL, PEDS, SURG	Nowrangi, Pushpa	PEDS, MEDN
Morgan, John W.	PRVM	Nutter, David	FMDN
Morgan, Walter C.	FMDN	O'Callaghan, Thomas E.	SURG
Morris, John P.	PEDS	Oberg, Kerby C.	PATH/ANAT, SURG
Mortensen, John W.	RADS	Ochoa, Humberto R.	EMDN
Morton, Kelly	FMDN	Oh, Young Hyun	OPHM
Mosaad, Phebe E.	ANES	Ojogho, Okechukwu N.	SURG
Moseley, Wendell	FMDN	Oliverio, Michael R.	FMDN
Moyers, Michael	RDMN	Olson, Mark W.	FMDN
Mthombeni, Jonathan J.	PEDS	Opai-Tetteh, David	DERM
Mudge, Milton K.	ORTH	Opsahl, Michelle T.	FMDN
Mukherjee, Ashis	MEDN	Ormsby, Gail M.	PRVM
Mulla, Neda F.	PEDS	Orr, Barbara L.	FMDN
Mullen, James H.	SURG	Orr, Robert D.	FMDN
Multani, Malwinder K.	MEDN	Oshiro, Karen N.	GYOB
Munson, James L.	PEDS	Oshrin, Harvey W.	PSYT
Munson, Laurel J.	GYOB	Owen, Fay D.	PSYT
Murdoch, J. Lamont	MEDN	Oyemade, Oulsola A.	PEDS
Murdoch, William G.	PSYT		
Murray, Earl D.	MEDN		
Murray, Rick D.	GYOB	Pai, Ramdas G.	MEDN
		Pai, Shantharam R.	FMDN
Nadeswaran, Bavani	MEDN	Pai, Sudha	MEDN
Naftel, John C.	EMDN	Pan, Wayne T.	ORTH
Nakamoto, Masao	GYOB	Pant, Keshab D.	MEDN
Namihas, Ivan	RDMN	Pappas, James M.	PATH
Narloch, Joseph A.	PMRH	Pardave, Raul	FMDN
Nash, Walter C.	ORTH	Park, Seekook	MEDN
Nava, Pedro B.	ANAT	Parker, Giglia A.	GYOB
Navigato, William J.	ORTH	Patchin, Rebecca	ANES
Nazzal, Sami B.	MEDN	Patel, Bipin L.	PSYT
Neglio, Michael	RADS	Patel, Dinesh	RADS
Nehlsen-Cannarella, Sandra	SURG, PATH	Pathi, Rama T.	ORTH
Neish, Christine M.	PRVM	Patton, William C.	GYOB
Nelson, Brett S.	EMDN	Patyal, Baldev R.	RDMN
Nelson, Gregory A.	RDMN	Paul, Malcolm D.	SURG
Nelson, J. Burdette, Jr.	SURG	Pauls, Gary L.	MEDN
Nelson, Jerald C.	MEDN, PATH	Pearce, Barry F.	NEUS
Nelson, Ronald M.	GYOB	Pearce, Ronald G.	PEDS
Nesper, Timothy P.	EMDN	Pearce, William J.	PHSL, BCHM
Nethery, W. James	RMDN	Peckham, Norman H.	PATH
Neufeld, Timothy E.	FMDN	Peppers, Timothy A.	ORTH
Neumann, Monica M.	ANES	Pereyra, Robert	SURG
Newball, Axa I.	MEDN	Perez, Mia C. N.	PATH

Perkin, Ronald	PEDS, EMDN	Razzouk, Nabil Y.	PRVM
Perrin, Ralph W.	PRVM	Reese, Leroy A.	GYOB
Perry, Allan W.	SURG	Reeve, Ivan L.	FMDN
Pesavento, Richard D.	OPHM	Reeves, Clifton D.	SURG
Peters, Warren R.	PRVM, PH	Reeves, Michelle H.	FMDN
Petersen, Floyd E.	PRVM, PH	Reinhold, Eskild A.	ORTH
Peterson, Donald I.	MEDN, NEUR, PHRM	Resch, Charlotte	SURG
Peterson, Gordon W.	MEDN, NEUR	Reische, Susan E.	PRVM
Peterson, John E., Jr.	PEDS, SD	Reiss, Gunter	PRVM, PH
Pettersen, George R.	PRVM	Reiswig, Philip H.	ORTH
Petti, George H., Jr.	OTOL	Rendell-Baker, Leslie	ANES
Peverini, Ricardo L.	PEDS	Rentschler, Robert E.	MEDN
Pham, Lien T.	FMDN	Reynolds, Lowell W.	ANES, PMRH
Phan, Hai T.	MEDN	Ribeiro, Paulo A.	MEDN
Phillips, Edward	MEDN	Rice, Gail T.	PRVM
Piantini, Rebeca E.	PEDS	Richards, Douglas C.	PRVM
Pierce, John A.	PRVM	Richards, Winston H.	UROLOG
Pitts, Frederick W.	NEUS	Richardson, Janet M.	RDMN
Platt, Marc L.	MEDN	Richardson, Raymond G.	SURG
Pomeroy, Jonnel W.	PEDS	Richardson, Timothy	MEDN
Power, Gordon G.	GYOB, MEDN, PHSL	Richmond, Mark G.	EMDN
Prakash, Ved	RADS	Ricketts, Herman H.	MEDN
Prendergast, Thomas J.	PRVM	Riesen, Sharon K.	PEDS
Preston, William	RDMN	Riesenfeld, Arthur J.	MEDN
Prichard, John E.	SURG	Riesenman, John P.	PSYT
Proctor, George J.	PSYT	Riezman, Alan J.	OPHM
Prout, Harry C.	SURG	Riffel, Hugo D.	GYOB
Pulec, Jack L.	OTOL	Rigsby, Rhodes L.	MEDN
Pulverman, R. Steven	FMDN	Rincon, Francisco	PEDS
Pumphrey, Charles D.	PEDS	Rippon, W. Barton	BCHM
Punjab, Anil P.	SURG	Ritchie, Lois	FMDN
Pursley, Donald G.	PRVM	Rivera, Inherla H.	PRVM
Putnoky, Gilbert J.	MEDN	Rivera, Jorge L.	SURG, FMDN
		Rivera, Martha E.	PEDS
Qin, Xuezhang	MEDN	Rizkalla, Suzanne S.	MEDN
Quijada, Earl B.	FMDN	Ro, Hong	RADS
Quinton, Bonnie S.	PSYT	Roberson, B. B.	ANES
		Roberts, Wendy E.	MEDN
Racine, Harold V.	GYOB	Robinson, Magda L.	FMDN
Radcliffe, Anthony B.	PRVM	Robitshek, Daniel	MEDN
Raethel, Hilton R.	PRVM	Robles, Antonio E.	SURG
Rains, Victoria	MEDN	Roddy, Sarah M.	PEDS, NEUR
Raiszadeh, Moussa	RADS	Rogers, Frank R.	SURG
Rajaram, Sujatha	PRVM	Roghair, Garry D.	RADS
Rajaratnam, Richard C.	OTOL	Rollie, Orris O.	FMDN
Rajpoot, Deepak K.	PEDS	Roman, Maher A.	MEDN
Rambharose, John A.	MEDN	Ronan, Ann M.	FMDN
Rand, Robert W.	NEUS	Roos, Philip J.	MEDN
Randolph, J. Franklin	FMDN	Rosenquist, Robert C., Jr.	OPHM
Rao, Ravindra	PEDS	Rossi, Carl J.	RDMN
Rasi, Alfredo L.	SURG	Rossi, John J.	BCHM, MICR
Rauser, Michael E.	OPHTH	Roth, Patricia J. D.	PSYT
Razzouk, Anees J.	SURG	Roth, Kenneth R.	ORTH

Roth, William G.	PSYT	Sentenn, Gregg A.	PSYT
Rothrock, Steven G.	EMDN	Sehra, Ruchir	PEDS
Rouhe, Stanley A.	NEUS	Serabyn, Cynthia L.	MEDN
Rouse, Glenn A.	RADS	Seraj, Ibrahim	GYOB
Rowe, Robert P.	OTOL	Sewell, Esther M.	EMDN
Roy, Ira	MICR	Shah, Manoj C.	PEDS
Rubenstein, Isreal	PEDS	Shah, Praful C.	PEDS
Ruckle, Herbert C.	UROL	Shah, Pravin M.	MEDN
Rudatsikire, Emmanuel M.	PRVM	Shah, Rina N.	MEDN
Rudich, Marc D.	SURG	Shankel, Tamara M.	MEDN, PEDS
Ruiz, Carlos E.	MEDN	Sharpe, Lawrence D.	PEDS
Ruiz, Cynthia C.	MEDN	Shatz, Arnold I.	UROL
Russell, Findlay E.	NEUS	Shaw, Katheryn	GYOB
Ryu, Junichi	MICR	Sheldon, Richard L.	MEDN
		Sheppard, Asher R.	PHSL
Saaty, Hans	RADS	Sheridan, Clare M.	PEDS, EMDN
Sabate, Joan	PRVM	Sheridan, Frank	PATH
Sadoyama, James A.	OTOL	Sherwin, Thomas S.	EMDN, PEDS
Sahney, Shobha	PEDS	Shin, Anthony S.	PSYT
Sajid, Melvin L.	PSYT	Shoji, Hiromu	ORTH
Sakala, Elmar P.	GYOB	Shook, James E.	ORTH, PEDS
Saks, Gerald	PEDS	Shu, Stanford K.	PEDS
Salemi, Charles S.	PRVM	Shum, Terence H.	MEDN
Salo, Jonathan C.	SURG	Shutter, Lori A.	NEUR
Salvador, Herminia S.	GYOB	Siddiqui, Mohammed S.	PEDS
Samady, Abdul R.	ANES	Siedenburg, Eric	EMDN
Samarza, Alane M.	FMDN	Siegel, Lance M.	OPTH
Sanchez, Richard A.	PRVM	Silva, Vasthi V.	MEDN
Sandberg, Lawrence B.	PATH	Silvergleid, Arthur J.	PATH/ANAT
Sanders, Hanna O.	PMRH	Simon, Diana	PSYT
Sanders, Isaac	RADS	Simon, Lauren M.	FMDN
Sandlin, Constance J.	PEDS	Simpson, James D.	SURG
Sando, Marvin M.	GYOB	Simpson, William R.	PSYT
Saphyakhajon, Phisit	PEDS	Singh, Kuldeep	ANES
Sasaki, Gordon H.	SURG	Singh, Pramil N.	PRVM
Saukel, George W.	PATH	Singhvi, Ajeet R.	MEDN
Scharffenberg, John A.	PRVM	Skenderian, Daniel	PSYT
Schell, Randall M.	ANES	Skoretz, Lynnetta S.	MEDN
Schell, Victor	PMRH	Skubic, John W.	ORTH
Schlunt, Michelle	ANES	Slater, James B.	RADS, RDMN
Schneider, Kimber L.	OPHM	Slater, James M.	#RDMN
Schoene, Herman R.	ORTH	Slater, Jerry D.	RDMN
Schulte, Reinhard W.	RDMN	Slattery, Charles W.	#BCHM, PEDS
Schultz, David E.	PSYT	Slayback, John B.	SURG
Schultz, Gerald	OPHM	Sloop, R. Richard	NEUR
Schultz, Michael D.	PSYT	Small, Mary L.	GYOB
Schultz, Robert L.	ANAT	Smith, Bruce E.	PRVM
Schulz, Eloy E.	RADS	Smith, Chauncey L.	MEDN
Schwandt, Allen L.	MEDN	Smith, Douglas C.	RADS
Schwartz, Alan C.	MEDN	Smith, James W.	SURG
Schwartz, Elaine B.	MEDN	Soderblom, Robert E.	MEDN
Scoggins, Thomas H.	PRVM	Soeprono, Fred F.	DERM, PATH
Segura, George A.	PEDS	Sogioka, Norman Y.	SURG, PEDS

Soliman, Sami S.	MEDN	Taylor, W. Leonard	PATH
Solinger, Michael R.	MEDN	Teel, Robert W.	PHSL
Soloniuk, Victor J.	ANES	Teichman, Siegmund	MEDN
Sonne, Janet L.	PSYT	Teller, Douglas W.	MEDN
Soo, Izabella	NEUR	Testerman John K.	#FMDN
Sood, Satish M.	BCHM	Testerman, Nancy	FMDN
Soret, Samuel	PRVM	Thiel, John T.	PSYT
Sowers, Lawrence C.	BCHM	Thiruvengadem, Ravi	MEDN
Sparks, Dale B.	MEDN	Thomas, Larry L.	PRVM
Specht, N. Lennard	MEDN	Thomas, Mark E.	EMDN
Spencer-Smith, E. Lawrence	GYOB	Thomas, Tamara L.	EMDN
Stanford, David C.	MEDN	Thompson, Gordon W.	MEDN
Stanhiser, Ruth	FMDN	Thompson, Joseph R.	RADS
Stanisai, Khushal A.	MEDN	Thompson, Kevin S.	PATH
Steiger, Ralph N.	ORTH	Thompson, Teresa L.	ANES
Steinman, John C.	ORTH	Thomsen, C. Torben	PRVM
Stephenson, Charles M., Sr.	OPHM	Thorington, Glyne U.	PHSL
Stephenson, Christopher	OPHM	Thorward, Sul R. O.	PSYT
Stevens, H. Glenn	MEDN	Thrasher, Thais	PSYT
Stewart, Charles E. III	OTOL	ThyaganRajan, Srinivasan	PATH
Stewart, Steven C.	UROL	Tieche, Jean M.	PHSL
Stier, Gary R.	ANES	Tiwari, Bhoodev	MEDN
Stilson, Donald L.	ANES	Tong, Karen A.	RADS
Stockdale, John C.	PSYT	Tooma, Ghassan S.	ORTH
Stoletniy, Liset Nora	MEDN	Tooma, Tom	OPHM
Stone, Herman H.	MEDN	Torres, Abel	#DERM
Storkersen, Kris J.	OPHM	Torres, Sidney E.	ANES
Stottlemeyer, Debra D.	MEDN	Torres, Vilma	MEDN
Strong, Donna D.	MEDN, MICR, BCHM	Torrey, Robert R., Jr.	UROL
Strong, Richard M.	MEDN	Tourtellotte, Charles R.	MEDN
Strum, Scott R.	PMRH	Trenkle, Ingrid E.	DERM, PATH
Sue, Michael W.	MEDN	Trenkle, Steven J.	PATH
Sun, Chao H.	MEDN	Trotta, Paul H.	SURG
Swabb, Richard J.	MEDN	Trupp, Diana L.	PEDS
Swensen, Ron	GYOB	Tud Tud-Hans, Leah H.	MEDN
Swensen, Waylene W.	RDMN	Tully, Richard J.	RADS
Swift, James D.	PEDS	Tulyathan, Pranee	PEDS
Swope, David M.	NEUR	Tyler, Richard P.	PEDS
Szalay, Aladar	BCHM		
		Umgelter, Edward H.	SURG
Tabuenca, Arnold D.	SURG	Unger, Jeffrey R.	FMDN
Tackoor, Philbin R. R.	UROL	Unis, Joseph S.	ANES
Takayesu, Sharon	OPHM	Uppal, Gurvinder S.	ORTH
Talbert, Myron J.	SURG		
Tamase, Terri L.	MEDN	Vain, Nestor E.	PEDS
Tamayose, Teri S.	PRVM	Van, Thu-Hoa V.	PEDS
Tan, Catherine A.	PEDS	Van Gent, Conrad M.	MEDN, BCHM
Tan, Linda Giles	MEDN	VanderHoek, Kees	MEDN
Tan, Matthew S.	SURG	Vannix, David L.	SURG
Tan, Shirley	ANES	Vannix, Robert S.	SURG
Tan, Shirley M.	MEDN	van Stralen, Daved W.	PEDS, EMDN
Taylor, Barry L.	#MICR, BCHM	Vatnitsky, Stanislav	RDMN
Taylor, Frank C.	RADS	Vaughan, Darrell L.	GYOB

Verde, E. Ray		PSYT	Wilson, Samuel G.	EMDN
Verska, Joseph J.		SURG	Winston, Karen A.	PEDS
Vincent, Alix		RADS	Wittlake, William A.	EMDN
Vipond, Bertrand H.		MEDN	Witzel, Everet W.	FMDN
Vo, Huu Dinh		PEDS	Wohlmuth, Cinna T.	GYOB
Voleti, Vasanti		PEDS	Wolf, Alan W.	ORTH
Vura-Weis, Dorothy E.		FMDN	Wolfsen, James	RADS
Vyhmeister, Edwin E.		SURG	Wolnisty, Carl	MEDN
Vyhmeister, Nidia R.		PEDS	Won, Daniel	NEUS
			Won, Esther	FMDN
Wagner, F. William	ANAT, ORTH, SURG		Wong, Andrew L.	MEDN
Wagner, Robert J.		GYOB	Wong, Francisco M.	MEDN
Wagner, William		SURG, ANAT	Wong, Raymond Y.	MEDN
Wallace, G. Carleton		ORTH	Wong, Sammy S.	MEDN
Wallar, P. Harold		OPHM, PEDS	Wood, David L.	ORTH
Walter, Michael H.		MEDN	Wood, Michael	SURG
Walters, Clifford A.		GYOB	Wood, Virchel E.	ORTH
Wang, Hansen		SURG	Wren, David G.	PRVM
Wang, Nan		SURG	Wresch, Robert R.	OPHM
Ward, John A.		MEDN	Wright, Danielle L.	PRVM
Wareham, Ellsworth E.		SURG	Wright, Edwin T.	DERM, PATH
Warner, Kim		GYOB	Wright, Kenneth R.	ANAT
Warren, M. Charles		SURG	Wright, Lester N.	PRVM
Wat, Bo Ying		PATH	Wright, Michael H.	ORTH
Wat, Linda I.		ANES	Wu, Ronald S.	GYOB
Wat, Pamela J.		PATH	Wursten, April	PSYT
Watkins, Barry E.		ORTH	Wycliffe, Nathaniel D.	RADS, SURG
Watkins, Gregory		RADS		
Watkins, Hubert C.		DERM	Yamada, Robert K.	FMDN
Watson, James R.		ORTH	Yanni, George S.	PEDS
Webster, James L.		SURG	Yellon, Steven M.	ANAT, PEDS, PHSL
Wechter, William J.		MEDN	Yhip, Sherrie E.	PEDS
Ween, Jon E.		NEUR	Yin, Larry	PEDS
Weis, Edmund B.		ORTH	Yonemoto, Leslie T.	RDMN
Welley, Thomas E.		RADS	Young, Gary	PEDS
Welsh, David B.		MEDN, SURG	Young, Lionel W.	RADS, PEDS
Wentland, Paul D.		MEDN	Youssef, Moheb S.	ANES
Wergedal, Jon E.		MEDN, BCHM	Yu, Jack	FMDN
Werner, Leonard S.		MEDN, FMDN	Yu, Leisure	ORTH
Wernick, Gary M.		MEDN	Yusufaly, Yasmin A.	MEDN
Wessels, Izak E.		OPHM		
West, J. Robert		DERM	Zane, Ernest S.	#OPHM
Whitbread, David H.		PSYT	Zane, Steven E.	OPHM
Whiting, Faye J.		GYOB	Zaske, Merlin R.	PEDS
Whitney, Elvonne		GYOB	Zdrojewski, John L.	DERM
Wiesseman, George J.		ORTH	Zerne, Stanley R. M.	GYOB
Wilbur, David W.		MEDN	Zewdie, Telahun	MEDN
Wilcox, R. Bruce		BCHM	Zhang, Lubo	PHRM
Wilkins, David L.		OPHM	Zhu, Yong Hua	NEUS
Wiley, Thomas E.		RADS	Zimmerman, Pearl G.	PRVM
Williams, Gregory B.		PRVM	Zirkle, Thomas J.	SURG, EMDN
Williams, Paul		ORTH	Zuccarelli, Anthony J.	MICR, BCHM
Wilson, Richard J.		UROL	Zuppan, Craig W.	PATH

SUMMARY OF GRADUATES

Class of 1914	6	Class of 1960	85
Class of 1915	12	Class of 1961	87
Class of 1916	10	Class of 1962	82
Class of 1917	13	Class of 1963	99
Class of 1918	22	Class of 1964	103
Class of 1919	5	Class of 1965	78
Class of 1920	14	Class of 1966	89
Class of 1921	20	Class of 1967	89
Class of 1922	23	Class of 1968	83
Class of 1923	39	Class of 1969	69
Class of 1924	58	Class of 1970	85
Class of 1925	70	Class of 1971	95
Class of 1927	42	Class of 1972	97
Class of 1928	36	Class of 1973 APR	97
Class of 1929	65	Class of 1973 SEP	121
Class of 1930	67	Class of 1974	135
Class of 1931	78	Class of 1975	82
Class of 1932	83	Class of 1976A	81
Class of 1933	69	Class of 1976B	72
Class of 1934	90	Class of 1977A	79
Class of 1935	82	Class of 1977B	80
Class of 1936	95	Class of 1978A	70
Class of 1937	73	Class of 1978B	67
Class of 1938	109	Class of 1979A	64
Class of 1939	109	Class of 1979B	81
Class of 1940	93	Class of 1980A	74
Class of 1941	90	Class of 1980B	66
Class of 1942	77	Class of 1981	100
Class of 1943	82	Class of 1982	143
Class of 1944A	67	Class of 1983	138
Class of 1944B	77	Class of 1984	129
Class of 1945	72	Class of 1985	131
Class of 1946	93	Class of 1986	134
Class of 1947	90	Class of 1987	129
Class of 1948	87	Class of 1988	131
Class of 1949	86	Class of 1989	127
Class of 1950	74	Class of 1990	145
Class of 1951	81	Class of 1991	142
Class of 1952	81	Class of 1992	153
Class of 1953A	100	Class of 1993	129
Class of 1953B	93	Class of 1994	154
Class of 1954	91	Class of 1995	153
Class of 1955	93	Class of 1996	153
Class of 1956	84	Class of 1997	140
Class of 1957	98	Class of 1998	167
Class of 1958	96	Class of 1999	149
Class of 1959	77	Class of 2000	<u>154</u>
		TOTAL	8,283

SCHOOL ALUMNI ASSOCIATION

Graduates of the School of Medicine organized their Alumni Association in 1915 when only two classes totaling eighteen members had been graduated, and the organization has functioned continuously since that time. Membership is extended to alumni who have graduated with the Doctor of Medicine degree from this University and to graduates of the American Medical Missionary College, operated by Seventh-day Adventists in Battle Creek, Michigan, from 1895 to 1910. Associate membership is extended to students of the School of Medicine, and affiliate membership is extended to faculty who have earned degrees from other institutions. During the 1986-87 school year, membership was extended to the basic science faculty.

Statement of mission and purpose

The Alumni Association of the School of Medicine, Loma Linda University, is a nonprofit organization composed both of alumni and affiliate members. The association is organized to support the School, to promote excellence in worldwide health care, and to serve its members in the following ways:

1. **EDUCATION** To encourage continuing education among its members by organizing and offering graduate education and related programs at the Annual Postgraduate Convention and at other health care seminars.
2. **COMMUNICATION** To publish newsworthy, factual information about alumni and developments at the School of Medicine in the alumni journal, in the annual directory, and in journals of organizations under the umbrella of the association.
3. **HEALTH CARE** To foster improved health care and preventive medicine throughout the world by conducting postgraduate seminars; demonstrations; and people-to-people, health care interactions with Christian concern and compassion.
4. **PHILANTHROPY** To encourage the contribution of funds for the support of undergraduate and graduate education at the School, including funds for student loans, research, and professorial chair endowments; and funds to provide for improvement in the School's physical plant. To encourage donations of money, equipment, and supplies for educational centers and health care facilities in areas of need worldwide.
5. **MEDICAL RESEARCH** To support medical research among the faculty and students of the School, thereby enhancing the association's ability to respond to the needs of its alumni and to advance medical knowledge.
6. **FRATERNITY** To promote and provide gatherings, in an atmosphere of Christian and professional friendship, which foster unity and advance the foregoing objectives.

ACCREDITATION STATUS

THE UNIVERSITY

Founded as College of Evangelists 1905-06. Chartered as College of Medical Evangelists by the state of California December 13, 1909. Accredited by Northwest Association of Secondary and Higher Schools April 7, 1937. Accredited by Western Association of Schools and Colleges (prior to January 1962, Western College Association) February 24, 1960. Became Loma Linda University July 1, 1961. Professional curricula started and approved as indicated.

THE GRADUATE SCHOOL: Started in 1954. Accredited through University accreditation.

THE PROFESSIONS

CLINICAL LABORATORY SCIENCE (FORMERLY MEDICAL TECHNOLOGY): Started in 1937. Approved by the Council on Medical Education of the American Medical Association since August 28, 1937. Currently approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the National Accrediting Agency for Clinical Laboratory Sciences.

CYTOTECHNOLOGY: Started in 1982. Initial approval by the Commission on Accreditation of Allied Health Education Programs in collaboration with the Cytotechnology Programs Review Committee January 20, 1983.

DENTAL HYGIENE: Started in 1959. Approved by the Commission on Dental Accreditation of the American Dental Association since September 7, 1961.

DENTISTRY: Started in 1953. Approved by the Commission on Dental Accreditation of the American Dental Association since May 23, 1957.

DIETETIC TECHNOLOGY: Started in 1988. Approved by The American Dietetic Association Commission on Accreditation and Dietetic Education April 25, 1988.

EMERGENCY MEDICAL CARE: Started in 1993 as a baccalaureate degree program for paramedics, respiratory therapists, and other allied health professionals desiring education, science, or management credentials in emergency medical services.

ENDODONTICS: Started in 1967. Approved by the Commission on Dental Accreditation of the American Dental Association since December 1969.

HEALTH INFORMATION MANAGEMENT: Started as medical record administration in 1963. Approved by the Council on Medical Education of the American Medical Association since December 1, 1963. Currently approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the American Health Information Management Association.

MEDICAL RADIOGRAPHY: Started in 1941 as radiological technology. Approved by the Council on Medical Education of the American Medical Association November 19, 1944. Currently approved by the Joint Review Committee on Education in Radiologic Technology and the state of California Department of Health Services.

MEDICAL SONOGRAPHY: Started in 1976 as diagnostic medical sonography. Approved by the Joint Review Committee on Education in Diagnostic Medical Sonography October 24, 1985.

MEDICINE: Started in 1909. Approved by the Association of American Medical Colleges and the Council on Medical Education of the American Medical Association since November 16, 1922.

NUCLEAR MEDICINE: Started in 1970. Approved by the Council on Medical Education of the American Medical Association June 23, 1973. Currently approved by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology.

NURSING: Hospital school started at Loma Linda in 1905. Hospital school added at Los Angeles in 1924. Degree school organized in 1948. Accredited by the National Nursing Accrediting Service December 10, 1951, with approval continuing under the National League for Nursing. Initial 1917 approval of the California State Board of Health extended until college program approved July 1, 1952, by the California Board of Registered Nursing. California Board of Registered Nursing approval since 1952. Public health nursing preparation recognized, 1959.

NUTRITION AND DIETETICS: Started in 1922 as a certificate program; baccalaureate degree conferred 1932-54; graduate program offered since 1954. Internship program continuously approved by The American Dietetic Association from 1957 through 1974; reestablishment of baccalaureate degree program authorized October 1971. Coordinated undergraduate program accredited by The American Dietetic Association Commission on Accreditation/Dietetics Education, 1974.

OCCUPATIONAL THERAPY: Started in 1959. Initial approval by the Council on Medical Education of the American Medical Association June 10, 1960. Full approval March 30, 1962. Currently approved by the Accreditation Council for Occupational Therapy Education.

OCCUPATIONAL THERAPY ASSISTANT: Started in 1988. Approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with The American Occupational Therapy Association (AOTA) April 13, 1989. Currently accredited by the Accreditation Council for Occupational Therapy Education of the AOTA.

ORAL AND MAXILLOFACIAL SURGERY: Started in 1978. Approved by the Commission on Dental Accreditation of the American Dental Association since 1981.

ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS: Started in 1960. Approved by the Commission on Dental Accreditation of the American Dental Association since May 1965.

PEDIATRIC DENTISTRY: Started in 1993. Approved by the Commission on Dental Accreditation of the American Dental Association since December 1972.

PERIODONTICS: Started in 1979. Approved by the Commission on Dental Accreditation of the American Dental Association since December 1972.

PHYSICAL THERAPIST ASSISTANT: Started in 1989. Approved by the American Physical Therapy Association April 4, 1990.

PHYSICAL THERAPY: Started in 1941. Initial approval by the Council on Medical Education of the American Medical Association June 6, 1942. Currently approved by the American Physical Therapy Association.

PROSTHODONTICS: Started in 1993. Approved by the Commission on Dental Accreditation of the American Dental Association since February 1995.

PUBLIC HEALTH: Started in 1948; reorganized in 1964. Approved by the American Public Health Association June 23, 1967. Currently approved by the Council on Education for Public Health.

RADIATION THERAPY: Approved by the Council on Medical Education of the American Medical Association December 1, 1974. Currently approved by the Joint Review Committee on Education in Radiologic Technology.

RESPIRATORY THERAPY: Started in 1971. Initial approval by the Council on Medical Education of the American Medical Association September 1972. Full approval June 1973. Currently approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the Joint Review Committee for Respiratory Therapy Education.

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY: Approved by the American Speech-Language-Hearing Association June 1, 1991.

SURGICAL TECHNOLOGY: Started in 1995. Approval by the Council on Medical Education of the American Medical Association December 1972. Currently approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the Accreditation Review Committee on Education in Surgical Technology.

ACCREDITING AGENCIES**THE UNIVERSITY**

Loma Linda University is accredited
by WASC:

Accrediting Commission for Senior Colleges and
Universities of the Western Association of Schools
and Colleges
P.O. Box 9990
Mills College
Oakland, California 94613-9990
Phone: 510 / 632-5000
FAX: 510 / 632-8361

WASC is an institutional accrediting agency
recognized by the U.S. Secretary of Education and
the Commission on Recognition of Postsecondary
Accreditation.

In addition to WASC, the following agencies
accredit specific University schools or programs*:

GRADUATE SCHOOL**Drug and Alcohol Counseling**

California Association of Alcoholism and Drug
Abuse Counselors (CAADAC)
3400 Bradshaw Road, Suite A5
Sacramento, CA 95827
Phone: 916 / 368-9412
FAX: 916 / 368-9424
Web Site: www.caadac.org
Email: caadac@jps.net

Marriage and Family Therapy

Commission on Accreditation for Marriage and
Family Therapy Education of the American
Association for Marriage and Family Therapy
1133 15th Street, NW, Suite 300
Washington, DC 20005-2710
Phone: 202 / 467-5111 or 452-0109

Social Work

Council on Social Work Education
Division of Standards and Accreditation
1600 Duke Street
Alexandria, Virginia 22314-3421
Phone: 703 / 683-8080
FAX: 703 / 683-8099

**SCHOOL OF ALLIED HEALTH
PROFESSIONS****Cardiopulmonary Sciences**

Respiratory Therapy
Committee on Accreditation for Respiratory Care
1248 Harwood Road
Bedford, TX 76021-4244
Phone: 817 / 283-2835
FAX: 817 / 354-8519 or 817 / 252-0773
Web Site: www.coarc.com
Email: richwalker@coarc.com

Surgical Technology

Accreditation Review Committee on Education in
Surgical Technology (ARC-ST)
7108-C South Alton Way
Englewood, CO 80112-2106
Phone: 303 / 694-9262
FAX: 303 / 741-3655
Web Site: www.arcst.org
Email: coa@ast.org

Clinical Laboratory Sciences**Phlebotomy Certificate**

National Accrediting Agency for Clinical Laboratory
Sciences (NAACLS)
8410 West Bryn Mawr Avenue, Suite 670
Chicago, IL 60631
Phone: 773 / 714-8880
FAX: 773 / 714-8886
Web Site: www.naacls.org
Email: naaclsinfo@naacls.org

**Clinical Laboratory Science
(formerly Medical Technology)**

National Accrediting Agency for Clinical Laboratory
Sciences (NAACLS)
8410 West Bryn Mawr Avenue, Suite 670
Chicago, IL 60631
Phone: 773 / 714-8880
FAX: 773 / 714-8886
Web Site: www.naacls.org
Email: naaclsinfo@naacls.org

Cytotechnology

Commission on Accreditation of Allied Health
Education Programs (CAAHEP)
35 East Wacker Drive, Suite 1970
Chicago, IL 60601-2208
Phone: 312 / 553-9355
FAX: 312 / 553-9616
Web Site: www.caahep.org
Email: caahep@caahep.org

Health Information Management**Health Information Administration**

Commission on Accreditation of Allied Health
Education Programs (CAAHEP)
35 East Wacker Drive, Suite 1970
Chicago, IL 60601-2208
Phone: 312 / 553-9355
FAX: 312 / 553-9616
Web Site: www.caahep.org
Email: caahep@caahep.org

Nutrition and Dietetics**Dietetic Technician Program****Nutrition and Dietetics**

Commission on Accreditation for
Dietetics Education (CADE)
The American Dietetic Association
216 West Jackson Boulevard, 7th floor
Chicago, IL 60606-6995
Phone: 800 / 877-1600
FAX: 312 / 899-4817
Web Site: www.eatright.org/cade
Email: education@eatright.org

Occupational Therapy

The Accreditation Council for Occupational
Therapy Education (ACOTE)
American Occupational Therapy Association, Inc.
(AOTA)
P.O. Box 31220
Bethesda, MD 20824-1220
Phone: 301 / 652-2682
or toll free 800 / 377-8555
FAX: 301 / 652-7711
Web Site: www.aota.org
Email: accred@aota.org

Physical Therapy

Commission on Accreditation in Physical
Therapy Education
American Physical Therapy Association
(APTA)
1111 North Fairfax Street
Alexandria, VA 22314
Phone: 703 / 706-3245
FAX: 703 / 838-8910
Web Site: www.apta.org
Email: see Web site

Radiation Technology

Medical Radiography—A.S.

Radiation Therapy Technology—certificate

Joint Review Committee on Education in
Radiologic Technology
20 North Wacker Drive, Suite 900
Chicago, IL 60606-2901
Phone: 312 / 704-5300
FAX: 312 / 704-5304
Web Site: www.jrcert.org
Email: mail@jrcert.org

[Diagnostic] Medical Sonography—certificate

Joint Review Committee on Education in
Diagnostic Medical Sonography (JRCE-DMS)
1248 Harwood Road
Bedford, TX 76021-4244
Phone: 817 / 685-6629
FAX: 817 / 354-8519
Web Site: www.caahep.org
Email: sharonworthing@coarc.com

Nuclear Medicine Technology—certificate

Joint Review Committee on Education Programs
in Nuclear Medicine Technology
One 2nd Avenue East, Suite C
Polson, MT 59860-2320
Phone: 406 / 883-0003
FAX: 406 / 883-0022
Email: jrcnmt@ptinet.net

Speech-Language Pathology and Audiology

American Speech-Language-Hearing
Association
10801 Rockville Pike
Rockville, MD 20852
Phone: 301 / 897-5700
FAX: 301 / 571-0481
Web Site: www.sha.org
Email: accreditation@asha.org

SCHOOL OF DENTISTRY

Commission on Dental Accreditation
American Dental Association
211 East Chicago Avenue
Chicago, IL 60611
Phone: 800 / 621-8099
FAX: 312 / 440-2915
Web Site: www.ada.org
Email: licarif@ada.org

SCHOOL OF MEDICINE

Liaison Committee on Medical Education
Association of American Medical Colleges
2450 N Street NW
Washington, DC 30037
Phone: 202 / 828-0596
FAX: 202 / 828-1125
Web Sites: www.lcme.org; www.aamc.org

SCHOOL OF NURSING

National League for Nursing
Accrediting Commission
61 Broadway
New York, NY 10006
Phone: 212 / 363-5555, ext. 153
or toll free 800 / 669-1656
FAX: 212 / 812-0390
Web Site: www.nln.org

Board of Registered Nursing
1170 Durfee Avenue, Suite G
South El Monte, CA 91733
Phone: 626 / 575-7080
FAX: 626 / 575-7090
Web Site: www.rn.ca.gov

Commission on Collegiate Nursing Education
(CCNE)
One Dupont Circle NW, Suite 530
Washington, DC 20036-1120
Phone: 202 / 887-6791
FAX: 202 / 887-8476
Web Site: www.aacn.nche.edu/accreditation

SCHOOL OF PUBLIC HEALTH

Council on Education for Public Health
1015 15th Street NW, Suite 402
Washington, DC 20001
Phone: 202 / 789-1050
FAX: 202 / 789-1895
Web Site: www.ceph.org

Certified Health Education Specialist (CHES)

National Commission for Health Education
Credentialing, Inc.

944 Marcon Boulevard, Suite 310
Allentown, PA 18103
Phone: 610 / 264-8200
FAX: 800 / 813-0727
Email: www.nchec.org

Drug and Alcohol Counseling

California Association of Alcoholism and Drug
Abuse Counselors (CAADAC)

3400 Bradshaw Road, Suite A5
Sacramento, CA 95827
Phone: 916 / 368-9412
FAX: 916 / 368-9424
Web Site: www.caadac.org
Email: caadac@jps.net

Environmental Health Specialist

State of California
Environmental Health Specialist
Registration Program

601 North 7th Street, MS 396
P.O. Box 942732
Sacramento, CA 94234-7320
Phone: 919 / 324-8819
FAX: 916 / 323-9869
Web Site: www.dhs.ca.gov

Public Health Nutrition and Dietetics

Commission on Accreditation for
Dietetics Education (CADE)

The American Dietetic Association
216 West Jackson Boulevard, 7th floor
Chicago, IL 60606-6995
Phone: 800 / 877-1600
FAX: 312 / 899-4817
Web Site: www.eatright.org/caade
Email: education@eatright.org

*All entry-level degrees are accredited by their
respective professional accrediting associations.

THE UNIVERSITY LIBRARIES**Major library resources**

Four major library resources on campus support the University's academic programs. These are: the Del E. Webb Memorial Library, the Joergensen Learning Resources Center, the Jesse Medical Library and Information Center, and the Veterans Administration Library Services. In addition to these facilities, specialized libraries are located in various medical and school departments on campus.

Central library

The Del E. Webb Memorial Library is the central library of Loma Linda University. Its historical roots go back to 1907, when a small library collection was started in a room of the old Loma Linda Sanitarium. In 1953 the growing collection was moved to its own building on the Loma Linda campus. Then in 1981, a new library building was built from a grant by the Del E. Webb Foundation, giving the library a total floor space of 87,670 square feet. This structure now houses the main library, while the old structure is now shared between the Department of Archives and Special Collections and the bound retrospective journals. As of April 2000, the library has a total collection of 402,455 books, bound and current journals, and media items (193,679 books; 125,752 bound journals and 1,403 current periodical subscriptions; and 81,621 media items).

Library mission

The mission of the Library is to stimulate and support the information needs of the University's instructional, research, and service programs. To this end the Library provides a full range of information support services, including, but not limited to, reference, circulation, reserve, access to the internet, and hundreds of online databases, e.g., full-text, selective, automatic dissemination of information services (SDI); database end-user training programs; library orientations; interlibrary loans; photocopy and pull services; a micro-computer laboratory; a learning service resource center; class-integrated library instruction programs; and services that support distance education and University outreach programs.

Worldwide access

The Library provides access to other collections worldwide using internet technologies. It also participates in a number of national and regional networks. One of these is the National Network of the Libraries of Medicine, founded by the National Library of Medicine. This structure is divided into eight regional sections, one of which is the Pacific Southwest Region. The Del E. Webb Memorial Library belongs to this region and is the designated medical resource library for San Bernardino and Riverside counties. Local library cooperatives include the IEALC (Inland Empire Academic Library Cooperative) and SIRCULS (San Bernardino, Inyo, Riverside Counties United



Library Services). Membership in these cooperatives gives our students, faculty, and staff access to the collections of these libraries.

Archives and special collections

The Department of Archives and Special Collections is the central repository of information on the history of Loma Linda University, the health sciences, and major collections on Adventism. In addition to print materials which include rare books, theses, and dissertations, there are microforms, sound recordings, and several thousand photographs. Searchable digitized indexes for various document files are also available via the Library's website. The collection also includes 14,000 linear feet of archival materials, which include papers of various denominational and University officials, as well as the congressional papers of the Honorable Jerry and Shirley Pettis.

ELLEN G. WHITE ESTATE LOMA LINDA BRANCH OFFICE

Also located in the Library is a branch office of the Ellen G. White Estate. It contains 60,000 typewritten pages of Ellen G. White's letters and manuscripts; 4,600 of her published articles; and several different files of materials pertaining to various aspects of her life and ministry. A computerized concordance to her published writings is available to researchers. A link to a bibliography of the different variant editions of her works is available on the Library's home page.



**LLUSMC
CAMPUS
MAP**



UNIVERSITY AVE.

LOT G*
LLUMC Employee
Parking Garage

PROSPECT ST.

LOT F North*
Nelson House 63
LOT F West*
West Hall (SN) 64
LOT F South*

← to (25)

= MC amphitheaters
H = Heliports

LOMA LINDA UNIVERSITY
(not to scale)

LOT X**
1 Gentry
Gymnasium

STEWART STREET

LOT Y*
16 Alumni Hall for Basic Sciences
17 Risky Hall
18 Braden Hall
19 Randall Visitors Center
20 Evans Hall (Cnr for Health Promo.)
21 Heritage Library Room
22 Megan Hall
23 Griggs Hall (FR, GS)
24 Morensen Hall
25 Security Dept.

UNIV. CT.

LOT K*
27 Good Samaritan sculpture
28 Prince Hall (SD)
29 Cogen Plant
30 Psych. Lab
31 Psych. Lab
32 Psych. Lab
33 Psych. Lab
34 Univ. Arts
35 Univ. Arts
36 AH Lab
37 AH Lab
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ANDERSON STREET

LOT A+
Wong Kerlee International Conference Center
58 Codeman Pavilion (SM)
59 Chan Shun Pavilion
60 Research Wing
61 LOMA LINDA MEDICAL CENTER
62 LOMA LINDA MEDICAL CENTER
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BARTON ROAD

LOT O+
60-Emergency Dept.
61-Express Care
62-Mail Service
63-Faculty Medical Offices (FMO)
64-Physician Parking
65-Physician Parking
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70-Physician Parking
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LOT U**
3 Parkland Building
4 Maintenance/Receiving
5 University Purchasing
6 University Printing
7 Drayson Center
8 Speech & Hearing Clinic (AH)

STEWART STREET

LOT R*
9 Nichol Hall (AH)
10 Danilak Residence Complex
11 Danilak Residence Complex
12 Campus Hill Church
13 Loma Linda Hall
14 Evans Hall (Cnr for Health Promo.)
15 Shirvock Hall
16 Alumni Hall for Basic Sciences
17 Risky Hall
18 Braden Hall
19 Randall Visitors Center
20 Evans Hall (Cnr for Health Promo.)
21 Heritage Library Room
22 Megan Hall
23 Griggs Hall (FR, GS)
24 Morensen Hall
25 Security Dept.

HILL DRIVE

LOT P*
30 Psych. Lab
31 Psych. Lab
32 Psych. Lab
33 Psych. Lab
34 Univ. Arts
35 Univ. Arts
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ANDERSON STREET

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ANDERSON STREET

LOT J**
51 Diabasis Center
52 Ronald McDonald House
53 Diabasis Center
54 Diabasis Center
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LOT DC**
3 Parkland Building
4 Maintenance/Receiving
5 University Purchasing
6 University Printing
7 Drayson Center
8 Speech & Hearing Clinic (AH)

STEWART STREET

LOT R*
9 Nichol Hall (AH)
10 Danilak Residence Complex
11 Danilak Residence Complex
12 Campus Hill Church
13 Loma Linda Hall
14 Evans Hall (Cnr for Health Promo.)
15 Shirvock Hall
16 Alumni Hall for Basic Sciences
17 Risky Hall
18 Braden Hall
19 Randall Visitors Center
20 Evans Hall (Cnr for Health Promo.)
21 Heritage Library Room
22 Megan Hall
23 Griggs Hall (FR, GS)
24 Morensen Hall
25 Security Dept.

SHEPARDSON ST.

LOT N2*
43 Credit Union
44 Student Business Ctr.
45 USPO
46 B of A
47 Loma Linda Market
48 Loma Linda Market
49 Loma Linda Market
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51 Loma Linda Market
52 Loma Linda Market
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PROSPECT STREET

LOT N1**
44 Risk Mgmt. Center
45 Safety Education Center
46 Loma Linda Market
47 Loma Linda Market
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50 Loma Linda Market
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52 Ronald McDonald House
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AH=Allied Health Professions
GS=Graduate School
PH=Public Health
SD=Dentistry
SM=Medicine
SN=Nursing
FR=Faculty of Religion

Index for Lots
*Parking requires permit
**Parking requires permit except where signs are posted
+Patient/visitor parking
++Patient/visitor parking (time-limited)

← LOMA LINDA UNIVERSITY
COMMUNITY MEDICAL CENTER
25333 Barton Rd

Key to abbreviations and symbols
(See also key on campus map)

X = Nearest cross street

> = See Area Map

LLU = Loma Linda University;

BMC Behavioral Medicine Center

CH Children's Hospital

CMC Community Medical Center

MC Medical Center

Campus Map (numerical)

1. Media Gymnasium
2. Genia Services (University, MC)
3. Geoscience Research Institute; Housekeeping (University); Radiation / Hazardous Materials Safety
4. Campus Engineering (maintenance shops); Lock and Key; Campus Receiving (University); 4G=Garage buildings
5. Purchasing (University); Campus Engineering (Machine Shop)
6. University Printing Services and Design Department
7. Drayson Center; Activities Center; Superfield; Student Union; Student Association
8. Speech and Hearing Clinic (AH)
9. Nichol Hall: School of Public Health; School of Allied Health Professions; 9C = Cottages; #60 ("Blue")—Marketing and Retention (AH); #70 ("Brown")—OT; Field Work Office; #80 ("Green")—SMS, Center for Health and Development (PH)
10. Daniels Residence Complex (men; graduate women)
11. Lindsay Hall (women's residence)
12. Campus Hill SDA Church
13. Linda Hall (Campus Hill SDA Church)
14. Evans Hall: Center for Health Promotion; Cutler Amphitheater; Student Health Service; Teaching Learning Center
15. Shryock Hall: Anatomy; Embryology Museum
16. Alumni Hall for Basic Sciences; Microbiology; Pathology; Courville Museum (pathology)
17. Risley Hall: Physiology; Pharmacology; Kellogg Amphitheater
18. Burden Hall: Academic Publications; University Relations; AH lab
19. Block Building: Orthopaedic Bioengineering Research Labs; Tribology Lab
20. Randall Visitors Center; Amphitheater; Jørgensen Learning Center
21. University Library; Del E. Webb Memorial; Main library; E. G. White Estate Branch Office; Heritage Room; Micro-Systems Support

22. Magan Hall: Administration, LOMA LINDA UNIVERSITY; Faculty Records; Gift Records; Advancement
23. Griggs Hall: Biology; Faculty of Religion; Graduate School
24. Mortensen Hall: Biochemistry; Center for Molecular Biology and Gene Therapy
25. Campus Security; Rideshare
26. University Church; Fellowship Hall; Campus Chapel
27. Good Samaritan sculpture
28. Prince Hall: School of Dentistry
29. Cogeneration Plant (power plant)
30. Advanced Periodontics Education; Dentistry faculty endodontics (private practice)
31. Educational Support Services (SID)
32. Central Building: Psychology (GS)
33. Center for Dental Research; University Computing (Rm. 208)
34. University Arts: Human Resource Management (personnel, payroll, benefits); Purchasing (MC); Advanced Life Support Education; Dentistry (private practice)
35. Faculty Dental Offices (private practice)
36. Occupational therapy lab (AH)
37. Grants Management (post-award, University); LLU Foundation Rental Office
38. Office of Sponsored Research (pre-award)
39. Bank of America
40. U. S. Post Office
41. Upper level: Business offices; Accounting; Foundation; Lower level: Student Services Center—Student Affairs (student life, international student services, off-campus housing, dean of students); Financial Aid; Student Finance / Accounting; Admissions; Loan Collections; University Records
42. La Loma Credit Union
43. Campus Cafeteria
44. Risk Management
45. Safety Education Center
46. Campus Store (bookstore, camera shop, Apple computer sales and service); LL Market (bakery, natural foods); Patio Pantry; Campus Pharmacy
47. Alumni Center: Alumni offices; Alumni Federation; Staff Development; Planned Giving; General Conference liaison
48. A.C.T.S. (emergency relief)
49. LOMA LINDA UNIVERSITY COMMUNITY MEDICAL CENTER
50. Ronald McDonald House
51. University Kidney Center (dialysis)
52. Faculty Medical Offices (FMO) (private practice)
53. LOMA LINDA UNIVERSITY CHILDREN'S HOSPITAL; Helpport, H South; Cafeteria; Central Computing (MC)
54. Proton Treatment Center
55. LOMA LINDA UNIVERSITY MEDICAL CENTER: School of Medicine; Helpport, H North;

- Lost and Found, B-404; Cafeteria; Amphitheaters: A-512, Lobby-1506; Transplantation Institute
56. Schuman Pavilion: International Heart Institute
 57. Chan Shun Pavilion: Cancer Research Institute
 58. Coleman Pavilion: School of Medicine; Center for Christian Bioethics
 59. Wong, Kerlee International Conference Center
 60. Emergency Department
 61. Express Care (urgent care, workers' compensation, employee health care)
 62. Mail Service (University, MC)
 63. Nelson House: Decision Support Services (MC)
 64. West Hall: School of Nursing; Graduate School Admin.

Area Map (numerical)

65. Material Supply and Distribution Support Services Center (Receiving, Mercantile, etc.) (MC); 1269 E., San Bernardino Ave., SB (X Tipppecanoe)
66. Loma Linda Children's Center, 25228 Shepardson Dr. Veterans Medical Center, Jerry L. Pettis Memorial (VA Hospital), 11201 Benton St., X Barron Rd.)
68. Mountain View Plaza (X Barron Rd.): Education and Training Department (computer training, JTPA training) (University, MC); Diabetes Treatment Center (MC); Osteoporosis Research Center (LLU administrative office); Radiology Medical Group, administrative office; Hospice (MC); LL Medical Supply (MC); Home Care Services (respiratory, family) (MC); Judkins Library (MC); LLUMC Managed Care Finance; Health Care Patient Business Office (FMO billing); Adventist Health Managed Care
69. Loma Linda Health Center ("Cape Cod" buildings), Mountain View Ave. (X Barron Rd.)
- A-11306: *Providence*: LL Community Medical Group
- B-11314 *Cambridge*: Psychiatry and Behavioral Medicine (SM)
- C-11320 *Gloucester*: Psychiatry conference rooms; Medical staff administration (BMC, CH, CMC, MC)
- D-11326 *Worcester*: Special Projects (MC); Physician Referral and Circle of Care
- E-11332 *Westerly*: Medical (private practice)
- F-11354 *Walden*: Medical
- G-11360 *Harford*: LLU Cancer Institute; Administration; Cancer Data Center; Clinical oncology research
- H-11346 *Concord*: Marketing (MC); Medical (private practice)
- I-11368 *Springfield*: LLU Cancer Institute; Region 5 Cancer Surveillance Program; Pharmaceutical research
- J-11374 *Dover*: see Counseling, below, 69J>
- K-11382 *Danbury*: Loma Linda Health Pharmacy; Dental (private practice)

- L-11340 *Bridgeport*: LLU Cancer Institute; Cancer Information
- Counseling and chemical dependency treatment centers (students, employees):*
- 69.B-11314 *Cambridge*: Student counseling; Psychiatry (SM)
- G-11360 *Harford*, Suite A: Employee Assistance Program
- J-11374 *Dover*: Student Psychological counseling services (MC); Medical faculty (private practice)
70. LOMA LINDA UNIVERSITY BEHAVIORAL MEDICINE CENTER, 1710 Barron Road (X Terracina Blvd.); Crisis hotline; Partial hospitalization (days only); Inpatient
71. Marriage and Family Therapy Clinic, 164 W. Hospital Lane, Suite 15, SB (X Hunt's Lane)
72. Professional Plaza, 25455 Barron Frontage Road (X Loma Linda Drive; X Benton St.); Family and Child Therapy (FACT); Suite 108-A, LLUCH; Loma Linda Pharmacy; MC / SM teaching, administrative, and private practice offices

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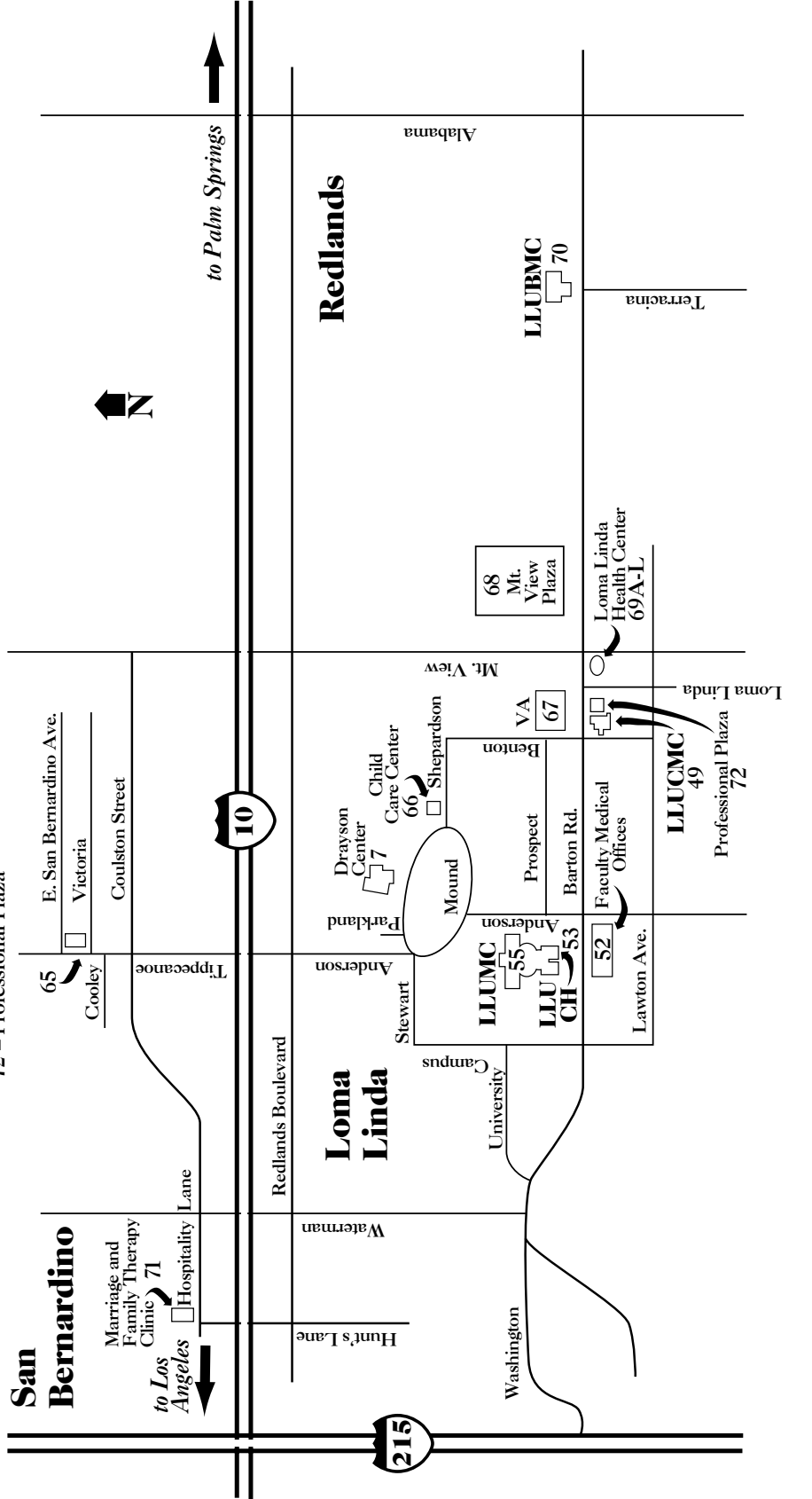
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 To update information for the next edition of the campus
 and area maps and legends, please contact:
 Academic Publications, ext. 4-4525

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and numerical legend**

- 1-64 (see Campus Map)
- 65 – Material Supply and Distribution Support Services Center
- 66 – Loma Linda Children's Center
- 67 – Jerry L. Pettis Memorial Veterans Medical Center (VA Hospital)
- 68 – Mountain View Plaza
- 69 – Loma Linda Health Center
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- 71 – Marriage and Family Therapy Clinic
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TO COMMUNICATE WITH LLU . . .

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Loma Linda, California 92350

WORLDWIDE WEB: <http://www.llu.edu>

PHONE:
For information about LLU **1/800-422-4LLU**
dialing from Canada **1/800-548-7114**

Area Code: 909 /

Switchboard: 558-4300

Off-campus PHONE:	On-campus PHONE:		Off-campus FAX:	On-campus FAX:
558-4540	44540	President	558-0242	80242
558-4787	44787	Diversity	558-0140	80140
558-4510	44510	Student Affairs	558-4879	44879
		Student welfare, housing, visas...		
558-4955	44955	International Student Services	558-4879	44879
558-4520	44520	Student Finance	558-4879	44879
558-4509	44509	Student Financial Aid	558-4879	44879
558-4508	44508	University Records	558-4879	44879
558-8770	88770	Student Health Service	558-0433	80433
558-6028	66028	Student Counseling	558-6090	66090
558-8625	88625	Teaching Learning Center	558-0179	80179
558-6050	66050	Student Assistance Program	558-6051	66051
558-4570	44570	Spiritual Counseling	558-4186	44186
335-4275	34275	Crisis Hotline	1-800-752-5999	
793-9333	34008	Behavioral Medicine Center	558-9262	34262
558-4536	44536	Faculty of Religion	558-4856	44856
558-8434	88434	Dean	558-4856	44856
558-4956	44956	Biomedical and Clinical Ethics	558-0336	80336
558-4956	44956	Center for Christian Bioethics	558-0336	80336
558-8433	88433	Clinical Ministry	558-4856	44856
558-1000	ext. 43983	Center for Spiritual Life and Wholeness	558-0336	80336

The Schools:

Allied Health Professions

558-4599	44599	Admissions	558-4291	44291-attn. Admissions
558-4545	44545	Dean	558-4291	44291-attn. Dean
558-4932	44932	Cardiopulmonary Sciences	558-4701	44701-attn. CPSC
558-4966	44966	Clinical Laboratory Sciences	558-4291	44291-attn. CLSC
558-4976	44976	Health Information Management	558-0404	80404-attn. HLIN
558-4593	44593	Nutrition and Dietetics	558-4291	44291-attn. DTCS
558-4628	44628	Occupational Therapy	558-0239	84239-attn. OTH
558-4948	44948	Occupational Therapy Assistant	478-0239	84239-attn. OCTA
558-4632	44632	Physical Therapy	558-4291	44291-attn. PHTH
558-4634	44634	Physical Therapist Assistant	558-4291	44291-attn. PTAS
558-4931	44931	Radiation Technology	558-4291	44291-attn. RTCH
558-4998	44998	Speech-Language Pathology/Audiology	558-4291	44291-attn. SPPA

558-4222	1616	Dentistry		
558-4621	44621	Admissions	558-4211	44211
558-4683	44683	Dean	558-0483	80483
558-8624	88624	Advanced Programs	558-0122	80122
558-4601	44601	Dentistry Program	558-4211	44211
558-4631	44631	Dental Hygiene Program	558-0313	80313
558-4669	44669	International Dentist Program	558-0133	80133
558-4790	44790	SD Student Affairs	558-4211	44211

Off-campus PHONE:	On-campus PHONE:		Off-campus FAX:	On-campus FAX:
		Graduate		
558-4529	44529	Admissions	558-4859	44859
558-4528	44528	Dean	558-0441	80441
		Medicine		
558-4462	44462	Admissions	558-4146	44146
558-4467	44467	Dean	558-0359	80359
558-4481	44481		558-4146	44146
		Nursing		
558-1000	ext. 44360	Admissions	558-4134	44134
558-4923	44923	Graduate	558-4134	44134
558-8061	88061	Undergraduate	558-4134	44134
558-8060	88060		558-4134	44134
		Pharmacy		
558-4529	44529	Admissions	558-4859	44859
558-4528	44528	Dean	558-0441	80441
		Public Health		
558-4546	44546	Admissions/Academic Records	558-4087	44087
558-4694	44694	Dean	558-4087	44087 attn. Admissions
558-4578	44578	Environmental and Occupational	558-4087	44087 attn. Dean
558-8750	88750	Health	558-0493	84493 attn. ENVH
558-8750	44590	Epidemiology and Biostatistics	558-0126	80126 attn. EPDM/STAT
558-4573	44573	Health Administration	558-0469	80469 attn. HADM
558-4575	44575	Health Promotion and Education	558-0471	80471 attn. HPRO
558-4902	44902	International Health	558-0389	80389 attn. INTH
558-4575	44575	Maternal and Child Health	558-0471	80471 attn. MCH
558-4598	44598	Nutrition	558-4095	44095 attn. NUTR
558-4918	44918	Preventive Medicine Residency	558-0630	80630 attn. PMR
		Program		

	WEB SITE:	EMAIL:
Student Services	www.llu.edu/ssweb	
Teaching Learning Center	www.llu.edu/llu/tlc	
University Records		registrar@univ.llu.edu
The Faculty of Religion	http://www.llu.edu/llu/fr/	
Dean; director of M.A. in bio- medical and clinical ethics	http://ethics.llu.edu	gwinslow@rel.llu.edu
Director of M.A. in clinical ministry	http://ministry.llu.edu	rlroberts@rel.llu.edu
Center for Christian Bioethics	http://bioethics.llu.edu	gsample@ethicscenter.llu.edu
Center for Spiritual Life and Wholeness	http://www.llu.edu/llu/wholeness/	innerweave@som.llu.edu
 <i>The Schools:</i>		
Allied Health Professions	http://www.llu.edu/llu/sahp/	
Admissions		admissions@sahp.llu.edu attn. Admissions
Cardiopulmonary Sciences		admissions@sahp.llu.edu attn. CPSC
Clinical Laboratory Sciences		admissions@sahp.llu.edu attn. CLSC
Health Information Management		admissions@sahp.llu.edu attn. HLIN
Nutrition and Dietetics		admissions@sahp.llu.edu attn. DTCS
Occupational Therapy		admissions@sahp.llu.edu attn. OTH
Physical Therapy		admissions@sahp.llu.edu attn. PHTH
Radiation Technology		admissions@sahp.llu.edu attn. RTCH
Speech-Language Pathology/ Audiology		admissions@sahp.llu.edu attn. SPPA
Dentistry	http://www.llu.edu/llu/dentistry/	DentAO@sd.llu.edu
Admissions	http://www.llu.edu/llu/dentistry/	sDavis@sd.llu.edu
Graduate	http://www.llu.edu/llu/grad/	bripton@univ.llu.edu
Admissions	http://www.llu.edu/llu/grad/	gradschool@univ.llu.edu
Medicine	http://www.llu.edu/llu/medicine/	ledwards@som.llu.edu
Nursing	http://www.llu.edu/llu/nursing/	dsalinas@sn.llu.edu
Public Health	http://www.llu.edu/llu/sph/	
Recruitment	http://www.llu.edu/llu/sph/	sphinfo@sph.llu.edu