Men are men
before they are lawyers
or physicians
or manufacturers;
and if you make them
capable and sensible men
they will make themselves
capable and sensible
lawyers and physicians.

John Stuart Mill
The University of Vermont
COLLEGE OF MEDICINE
Catalogue
1989–1990
Although its legal title is The University of Vermont and State Agricultural College, the University is known to its students and alumni as UVM. This popular abbreviation is derived from the Latin Universitas Viridis Montis, University of the Green Mountains.

The University of Vermont reserves the right to make changes in the course offerings, degree requirements, charges, and regulations and procedures contained herein as educational and financial considerations require, subject to and consistent with established procedures and authorizations for making such changes. Students at The University of Vermont are responsible for knowing and complying with all requirements for their respective degrees.

Notice of Nondiscrimination

Applicants for admission and employment, students, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with The University of Vermont are hereby notified that The University of Vermont does not discriminate on the basis of race, sex, sexual orientation, handicap, color, religion, age, national origin, or Vietnam Veteran status in admission or access to, or treatment or employment in, its programs and activities. In addition, it is the policy of the University that sexual harassment is unacceptable and will not be tolerated.

It is therefore the intent of the University to comply with the spirit and the letter of Titles VI and VII of the Civil Rights Act of 1964; Title IX of the Education Amendments of 1972; the Equal Pay Act of 1963; the Age Discrimination Act of 1975, Section 504 of the Rehabilitation Act of 1973; the Vermont Fair Employment Practice Act; and such other federal, state, and local nondiscrimination laws as may apply.

Inquiries or complaints concerning the University's compliance with the regulations implementing the above-referenced laws, or the affirmative action policies of the University should be made to The University of Vermont Director, Office of Affirmative Action and Equal Opportunity, Waterman Building, Burlington, Vermont, 05405, telephone (802) 656-3368; or the Office of the Vermont Attorney General, Pavilion Building, Montpelier, Vermont, 05602. Inquiries or complaints concerning the University's compliance with the regulations implementing Title VI of the Civil Rights Act of 1964, 34 CFR Part 100; Title IX of the Education Amendments, 34 CFR Part 106; the Age Discrimination Act of 1975, 45 CFR Part 90; or Section 504 of the Rehabilitation Act of 1973, 34 CFR Part 104, may also be made to the Assistant Secretary for Civil Rights, United States Department of Education, Washington, DC 20202, or to the Director, United States Department of Education, Office for Civil Rights, Region I, J.W. McCormack POCH, Boston, MA 02109.

FOR FURTHER INFORMATION CONTACT:
Office of the Dean
College of Medicine
Given Building
University of Vermont
Burlington, Vermont 05405
Biennial Catalogue of The University of Vermont  
College of Medicine

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>History of the College of Medicine</td>
<td>7</td>
</tr>
<tr>
<td>Accreditation</td>
<td>8</td>
</tr>
<tr>
<td>Bylaws of the Faculty</td>
<td>8</td>
</tr>
<tr>
<td>Student Information</td>
<td>8</td>
</tr>
<tr>
<td>Undergraduate Medical Education Program</td>
<td>9</td>
</tr>
<tr>
<td>Combined M.D.-Ph.D. Program</td>
<td>10</td>
</tr>
<tr>
<td>Graduate Medical Education</td>
<td>11</td>
</tr>
<tr>
<td>Continuing Medical Education</td>
<td>11</td>
</tr>
<tr>
<td>Research</td>
<td>12</td>
</tr>
<tr>
<td>Teaching Facilities</td>
<td>12</td>
</tr>
<tr>
<td>Charles A. Dana Medical Library</td>
<td>13</td>
</tr>
<tr>
<td>Hospitals</td>
<td>13</td>
</tr>
<tr>
<td>Vermont Regional Cancer Center</td>
<td>14</td>
</tr>
<tr>
<td>Office of Health Promotion Research</td>
<td>15</td>
</tr>
<tr>
<td>Medical Biostatistics</td>
<td>15</td>
</tr>
<tr>
<td>Central Animal Facility</td>
<td>15</td>
</tr>
<tr>
<td>Medical Photography</td>
<td>16</td>
</tr>
<tr>
<td>Organizations</td>
<td>16</td>
</tr>
<tr>
<td>Departments</td>
<td></td>
</tr>
<tr>
<td>Anatomy and Neurobiology</td>
<td>17</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>19</td>
</tr>
<tr>
<td>Family Practice</td>
<td>20</td>
</tr>
<tr>
<td>Medicine</td>
<td>21</td>
</tr>
<tr>
<td>Microbiology</td>
<td>26</td>
</tr>
<tr>
<td>Neurology</td>
<td>27</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>28</td>
</tr>
<tr>
<td>Orthopaedics and Rehabilitation</td>
<td>29</td>
</tr>
<tr>
<td>Pathology</td>
<td>30</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>31</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>32</td>
</tr>
<tr>
<td>Physiology and Biophysics</td>
<td>33</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>34</td>
</tr>
<tr>
<td>Radiology</td>
<td>36</td>
</tr>
<tr>
<td>Surgery</td>
<td>37</td>
</tr>
<tr>
<td>Trustees, Administration, and Faculty</td>
<td>40</td>
</tr>
<tr>
<td>Committees</td>
<td>42</td>
</tr>
<tr>
<td>Faculty</td>
<td>43</td>
</tr>
<tr>
<td>Graduates</td>
<td>64</td>
</tr>
<tr>
<td>Classes</td>
<td>68</td>
</tr>
</tbody>
</table>
In the early years of the College of Medicine, students were enrolled merely by purchasing cards of admission (above) to various courses of lectures.
History of the College of Medicine

The first General Assembly of the State of Vermont, convened in 1791, chartered The University of Vermont. Ira Allen, younger brother of Ethan Allen, had given 4,000 pounds sterling to help establish the institution. Instruction began in 1800 and the first class graduated four years later.

Meanwhile Dr. John Pomeroy, for many years the leading physician of Burlington, began around the turn of the century to take pupils. In 1804, he was appointed Lecturer in Chirurgery and Anatomy and, in 1809, Professor of Physics, Anatomy, and Surgery at the University. The position carried no stipend nor did the institution even provide a room in which to give instruction. By 1814, Pomeroy had so many students he could no longer accommodate them in his home and he consequently rented an empty store in which he lectured to a class of 12. His son, John N. Pomeroy (not a physician), added a course of lectures in chemistry in 1816 and to these the townspeople occasionally came out of interest in the demonstrations.

In 1822, a faculty of five professors including John Pomeroy and Nathan R. Smith was assembled and the trustees of The University of Vermont ruled that the president might “confer medical degrees on such persons as shall attend the medical lectures and are recommended by the medical professors and lecturers of the University.” Dr. Smith’s father, the more famous Dr. Nathan Smith and the founder of the medical colleges of Dartmouth, Bowdoin, and Yale, is said to have helped in the organization of the Vermont school.

In 1822, a faculty of five professors including John Pomeroy and Nathan R. Smith was assembled and the trustees of The University of Vermont ruled that the president might “confer medical degrees on such persons as shall attend the medical lectures and are recommended by the medical professors and lecturers of the University.” Dr. Smith’s father, the more famous Dr. Nathan Smith and the founder of the medical colleges of Dartmouth, Bowdoin, and Yale, is said to have helped in the organization of the Vermont school.

In the early years of the nineteenth century, only a small portion of medical education took place in the universities. The part-time doctor of colonial times had given way to the full-time professional physician but there was no legal regulation of the practice of medicine. Most degrees and certificates, if they were obtained at all, were granted by the medical societies after the candidate had served as an apprentice.

In the late 1820s, a group of local physicians interested some philanthropically-minded residents of Burlington in buying land for a medical college building adjacent to the University campus and, in 1829, a two-story brick building was built. In 1828, Benjamin Lincoln, the grandson of the famous revolutionary general of the same name, was invited to Burlington to give a course of lectures in anatomy. Lincoln had a classical education at Bowdoin and had been apprenticed to the fashionable and distinguished Dr. George Shattuck of Boston. Rustic and educationally unprepared as most of the Vermont students were, they were evidently entranced by Dr. Lincoln’s beautiful demonstrations and the clarity of his presentations. He was offered the chair of anatomy and although the Universities of Maryland and Bowdoin both solicited him he chose Vermont, perhaps because he “hoped to realize . . . his organic remains from old formations.” Lincoln soon became the leading light of the school which flourished for a few years. Unfortunately, he became ill and in 1834 went back to his home in Maine to die. There were now two other medical schools in the state and an economic depression was developing. In 1836, after having granted 116 degrees in course and 24 honorary ones, the College of Medicine closed its doors.

There was a lapse until 1853 when after many tribulations (most of them financial) Drs. W. S. Thayer of Northfield and Walter Carpenter of Randolph succeeded in reorganizing the medical college. Subscriptions were solicited from the medical professors and the Burlington townspeople and Mrs. Thayer held a “fair” which netted $450. The University provided a building (the same one which had been used by Dr. Lincoln and which is still in use, although for different purposes) on the academic campus. In spite of competition from the schools in Woodstock and Castleton, Vermont, and Hanover, New Hampshire, courses were started and the school remained viable largely through the efforts and personal and professional distinction of Drs. Thayer and Carpenter, both of whom served successively as deans. The average student attendance from 1859 to 1878 was 65. Then, under the deanship of Dr. A. P. Grinnell,
there was a period of rapid expansion reaching a high tide in 1884 when 101 young men were graduated in medicine.

The University of Vermont College of Medicine was then (as were most others of the day) essentially a proprietary institution. The University provided some amenities, these being to a considerable extent responsible for the success with which the College outlasted many of its competitors. The medical faculty was, however, a closed corporation collecting its own fees and providing its own administration. That this was not an ideal situation was apparent to the profession. In fact, it was a movement toward reform of medical education proposed by the Vermont State Medical Society in the 1840s which led to a national convention which later evolved into the American Medical Association. In 1899, the trustees of the University (although as yet only dimly aware of the enormous responsibility, financial and otherwise, which this was to entail) took over complete control of the College of Medicine.

In 1879, the Mary Fletcher Hospital was built in Burlington, and, in 1924, the DeGoesbriand Memorial Hospital began to admit patients. Both became centers of clinical instruction and, in 1967, the two institutions merged to form the Medical Center Hospital of Vermont.

During the post-World War II deanship of Dr. William E. Brown, the faculty of the College of Medicine began a period of exponential growth, both in numbers and prestige. Under subsequent Deans George A. Wolf, Jr., Robert J. Slater, Edward C. Andrews, Jr., and William H. Lugliinbuhl, the student body was expanded, biomedical research began to flourish, and the material resources of the institution increased, culminating in the construction of a new medical college complex in 1968.

The physician, while still in most instances the captain of the health team, is being joined by increasing numbers of other professional personnel who bring to the care of the patient diverse disciplines, talents, and techniques, many of them unknown a few years ago. The University responded to this trend with two developments, one administrative and the other academic. In December of 1967, the trustees approved the establishment of the Division of Health Sciences bringing together under one administrative unit the College of Medicine, the School of Nursing, and the newly founded School of Allied Health Sciences (to include the courses of instruction in Physical Therapy, Dental Hygiene, Medical Technology, and Radiologic Technology).

The academic consequence of this increase in complexity has been the recognition that specialization, already well established in the patterns of medical practice, may begin in medical school, allowing students to follow their interests and obtain maximum benefit from the time and effort expended. The curriculum has therefore undergone a major revision, as will be seen in later pages of this catalogue.

Accreditation

The University of Vermont is accredited by the New England Association of Schools and Colleges, Inc. The College of Medicine is accredited by the Liaison Committee on Medical Education, American Medical Association—Association of American Medical Colleges.

Bylaws of the Faculty of the College of Medicine

The Bylaws and Rules and Regulations of the Faculty of the College of Medicine are contained in a separate publication available in the Office of the Dean in the Given Building.

Student Information

Information on admission and curriculum, plus regulations and procedures pertaining to student performance and the rights and responsibilities of students, are explained in detail in the College of Medicine’s Admissions Bulletin and Student Handbook and The Cat’s Tale: A Student’s Guide to the University of Vermont. Students are responsible for knowledge and observance of these regulations and procedures.
Undergraduate Medical Education Program

The curriculum consists of three parts, spanning a period of 45 months from admission to the granting of the M.D. degree.

Basic Science Core

The first part, the Basic Science Core, consists of one and one-half years of instruction in the sciences that undergird clinical medicine — anatomy, biochemistry, medical microbiology, pathology, pharmacology, physiology, and neurosciences. In addition, seminars in human behavior and in medical sexuality provide students with an awareness of social, cultural, and psychological factors affecting health and illness.

A unique course within the Basic Science Core is the Basic Clerkship which begins on the first day of medical school. This educational experience prepares the student for the study of medicine by the study of patients. This is accomplished by teaching communication skills, history-taking and problem formulation through patient interview, plus the skills necessary to perform a complete physical examination.

Clinical Science Core

The second phase of the curriculum is called the Clinical Science Core, a 12-month period devoted to the clinical disciplines of medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry. During this year, students work with and under the supervision of house staff and attending physicians at the Medical Center Hospital of Vermont in Burlington, the Maine Medical Center in Portland, Maine, and in the Champlain Valley Physicians' Hospital in nearby Plattsburgh, New York.

In addition, during the pediatric rotation there is an opportunity to work in the offices of physicians in the local community who provide primary care.

At the midpoint in the Clinical Core there is a two-week summer recess.

Advanced Basic Science Core

At the completion of the first year of clinical work and preceding the Senior Selective Program, students participate in a month-long semi-elective, semi-didactic program. Its goal is to examine various clinically-related subjects in the context of the basic sciences. Included in this segment are course offerings in epidemiology, clinical pharmacology, clinical nutrition, medical genetics, laboratory medicine, advanced cardiac life support, clinical neuroscience, computers in medicine, geriatric medicine, preventive cardiology, and issues in health economics and policy.

Senior Selective Program

The final portion of the curriculum, the Senior Selective Program, extends through the remaining one and one-half years prior to graduation. This period is divided into 15 rotations of one-month duration each. This program enables students to select a course of study best suited to their individual educational interests and career objectives.

All students during the Senior Selective Program must include in their schedules a number of required clinical experiences as well as various elective rotations. Principal among the required rotations are two months spent as an "acting intern." Here students are given, under supervision, primary responsibility for the total care of a number of hospitalized patients and begin to refine their ability to diagnose and manage clinical problems. Graduated responsibility, based upon audited performance, is the central theme of our clinical instruction.

The elective rotations may include approved learning experiences elsewhere in the United States or abroad. Many students see this as an opportunity to work and study in a large urban setting or at another medical school or foreign medical center. Students should anticipate spending variable periods of time away from Burlington in the course of pursuing their required training. A system of faculty advisors has been developed to counsel each student on a one-to-one basis throughout the planning and course of this program and in anticipation of later graduate education. Although the majority of students elect to pursue a clinical selective program, students so desiring may commit their entire program to study in one of the basic sciences. While these programs are individualized, it is expected that related graduate study and research will form the basis for each. Following acceptance into the medical college, qualified students may simultaneously enroll in the Graduate College for a Master of Science or Ph.D. program.
Curriculum

Basic Science Core
Knowledge common to all medical practice
57 weeks

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry</td>
<td>109</td>
</tr>
<tr>
<td>Gross Anatomy</td>
<td>181</td>
</tr>
<tr>
<td>Microscopic Anatomy</td>
<td>86</td>
</tr>
<tr>
<td>Human Behavior</td>
<td>28</td>
</tr>
<tr>
<td>Basic Clerkship</td>
<td>147</td>
</tr>
<tr>
<td>Physiology</td>
<td>114</td>
</tr>
<tr>
<td>Neuroscience</td>
<td>114</td>
</tr>
<tr>
<td>Microbiology</td>
<td>100</td>
</tr>
<tr>
<td>Pathology</td>
<td>271</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>118</td>
</tr>
<tr>
<td>Medical Sexuality</td>
<td>26</td>
</tr>
</tbody>
</table>

Clinical Core
Knowledge, behavior, and clinical skills common to all medical practice
48 weeks

<table>
<thead>
<tr>
<th>Clerkship</th>
<th>Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>3</td>
</tr>
<tr>
<td>Surgery</td>
<td>3</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>2</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>2</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>2</td>
</tr>
</tbody>
</table>

Senior Selective Program
Tailored to individual interests and career goals
61 weeks

Includes 15 month-long rotations both required and elective.

The Combined M.D.-Ph.D. Program
Qualified students specifically interested in a career which will integrate basic research and clinical care may elect to pursue a combined curriculum leading to both an M.D. degree and a Ph.D. degree. Students must enroll in the Graduate College to pursue a Ph.D. degree program in one of the basic medical sciences concurrent with enrollment in the College of Medicine. The following departments offer this degree option: Anatomy and Neurobiology, Biochemistry, Microbiology, Pathology, Pharmacology, and Physiology and Biophysics.

Satisfactory performance in the Medical College Admission Test (MCAT) examination may be accepted as a substitute for Graduate Record Examination (GRE) scores that generally are required for admission to the Graduate College programs. Although curricular prerequisites for admission to the Graduate College and to the College of Medicine are closely comparable, additional preparatory course work may be re-
quired for students who wish to enroll in the Graduate College while they are still enrolled in the College of Medicine. Credit for some courses taken in the medical curriculum can be used for Graduate College credit, providing that the performance in the medical school course is indicated by an appropriate letter grade. Course, dissertation, and degree requirements are outlined by department in the Graduate College catalogue for each graduate program in the basic medical sciences.

It is estimated that a period of six years will be necessary (as a minimum) for completion of a program leading to the combined M.D.-Ph.D. degree. In general, graduate training would begin the summer of the first year. Following completion of the Clinical Core program and prior to entering the Senior Selective Program, the student would devote full time to completing the additional course, laboratory, and dissertation work for the Ph.D. degree.

**Graduate Medical Education**

Because of the important role played by house officers in the education of medical students, and reflecting the relationship between the Medical Center Hospital of Vermont and the University of Vermont, the responsibility for the overall direction of residency training programs rests with a Graduate Medical Education Committee. This group consists of representatives from the clinical departments offering a house officer training program, a representative from the Dean's Office, a representative from the MCHV, and a resident representative by the house staff. Direct responsibility for the administration of our training programs rests with the department and division heads who are the training program directors. Most training programs accept residents via the National Resident Matching Programs.

Residency programs are offered in anesthesiology, dentistry, family practice, internal medicine, neurological surgery, neurology, obstetrics and gynecology, orthopaedic surgery, otolaryngology, pathology, pediatrics, psychiatry, radiology, surgery, and urology.

**Continuing Medical Education**

The Office of Continuing Medical Education has as its overall goal the development and implementation of programs for doctors in Vermont and surrounding regions, particularly upstate New York. We assist physicians in developing programs which will best serve their continuing medical education needs, and we provide support in the areas of planning, implementation, and evaluation to the faculty of these programs.
Programs are offered at a variety of different levels:

1. Local programs are made available to all interested physicians and hospitals so that primary care physicians can meet their continuing medical education requirements without undue travel time or time away from practice. Category I credit is approved for most of the Grand Rounds at the Medical Center Hospital of Vermont.

2. Regional programs are held at selected sites, including such programs as Clinical Days in Neurology, Hypertension, and Nephrology. These programs usually are of one day's duration and include faculty from the University and others who present an in-depth discussion of a specific topic within a specialty area.

3. Programs of longer duration are conducted at the University in Burlington and throughout the state by specialty groups such as obstetrics and gynecology, pediatrics, gastroenterology, or orthopaedic surgery. Such programs are designed to bring practitioners in these specialties the latest information regarding office and hospital management of a variety of complex conditions. Individual programs (mini-residencies) may be arranged in most departments through our Visiting Practitioner Program.

In addition to these defined programs, specific programs are made available to hospitals on request, such as tumor boards, rehabilitative medicine programs, and other consultative programs, which include both continuing medical education as well as direct patient consultation.

Our office remains dedicated to the further development and implementation of programs which will best serve all of the donors of our region and state. Please call 656-2292 for a complete calendar.

Research

The College of Medicine has an extremely broad based, diverse research program for an institution of its size. This reflects the view, held by faculty and administration alike, that ongoing research is essential for continued academic viability. Each basic science faculty member and most clinical science faculty conduct their own research project supported in large part by grants and contracts from the public and private sector. In addition, multidisciplinary collaborative projects are widespread. The latter are enhanced by multiple graduate degree programs, several program projects, a clinical research center, and several core facilities within the institution. This results in research activities being an integral part of the environment for students and faculty alike. It is found at all levels of scientific endeavor ranging from molecular biology to health care delivery systems. Interested students have the opportunity to directly participate in research of their choice through summer research fellowships and research-oriented senior major programs.

Teaching Facilities

In 1968, the third phase of a $12 million expansion program was dedicated, completing a decade of planning and construction accomplished through alumni support, private philanthropy, and Federal funds. Thus, for the first time, the teaching and research activities of the College of Medicine were brought together under one roof.

First to be completed in this ambitious program was the Medical Alumni Building. Dedicated in 1959, this structure was named to honor the loyalty of the medical alumni whose vision and support provided the impetus for the building program.

The Medical Alumni Building, now called the A. Bradley Soule Medical Alumni Building, is linked to the Given Medical Building by the two-storied Charles A. Dana Medical Library.

Largest of the three buildings is the Given Medical Building. Its 236,000 square feet encompass the majority of the teaching and research space of the College of Medicine. This unit also contains the 280-seat Carpenter Auditorium, a student lounge, the office of the dean, and a cafeteria/lounge.

In the spring of 1973, the $3.2 million Rowell Nursing and Allied Health Sciences Building was dedicated. This facility connected to the Given Medical Building provides approximately 70,000 square feet of classroom and office space in support of the University's expanding program in nursing and allied health sciences.
The Charles A. Dana Medical Library

Medical Librarian: Ellen Nagle, M.L.S., M.A.

The Medical Library is located in the center of the College of Medicine complex, between the A. Bradley Soule Medical Alumni and the Given Medical Buildings. We subscribe to more than 1,500 journal titles and have approximately 80,000 volumes in the areas of biomedicine, nursing, and allied health which are housed on two floors. The Historical Collection contains 1,500 books, as well as pamphlets and medical instruments, relating especially to medicine in Vermont. The Dana Audiovisual Department, located in the Rowell Building, maintains a collection of over 4,500 media titles in a variety of formats, including films, videocassettes, slides, videodiscs, and computer software, and provides facilities for their use. Users have open access to the collections.

All books, periodicals, and audiovisual materials are listed in LUIS, the Library’s online catalogue. LUIS is available from terminals throughout the Library and may also be accessed from terminals in offices or from off-campus locations. The automated library system also makes checkout of library materials fast and easy.

Individual and group study carrels are located on the lower floor. Additional space for readers is provided on the main floor reading room. Microcomputers for student use are available in the Library and in the Audiovisual Department.

The Library is open from 7:30 a.m. to 12 midnight, Monday through Thursday; 7:30 a.m. to 11:00 p.m. on Friday; 8:00 a.m. to 11:00 p.m. on Saturday; and 10:00 a.m. to 12 midnight on Sunday.

Four self-service, coin or card-operated photocopiers are available at all times, as well as staffed photocopy service between the hours of 9:00 a.m. and 4:00 p.m., Monday through Friday. Speedy transmission of interlibrary loan requests makes readily available the resources of major medical libraries in the Regional Medical Library Network as well as those of the National Library of Medicine.

Reference service includes an online, interactive literature search capability. Relevant biomedical and related information is searched and retrieved from a large number of computerized databases. Dial-up end user databases are available in the Library’s Automated Reference Center; patrons can also search a variety of CD-ROM databases. Library orientation and bibliographic instruction regarding print and automated resources are provided by the Reference Department.

We sponsor the course Computers in Medicine, an elective in the Advanced Basic Science Core. This course provides students with the basic knowledge and skills needed by the future physician to adapt to the integration of computers into the practice of medicine.

Hospitals

For a medical school, the teaching hospital is the keystone that supports the clinical education of the medical student and graduate physician alike. Here they observe and participate in the care of the sick under the supervision of the clinical faculty who exemplify the highest skills in the science and art of medicine.

Medical Center Hospital of Vermont

The merger of the two former teaching hospitals of the University of Vermont College of Medicine, the DeGoesbriand Memorial and the Mary Fletcher, to form the Medical Center Hospital of Vermont (MCHV) brought into existence in Burlington one of the larger and more comprehensive general hospitals in New England. This complex exists as an efficient and cohesive health care delivery system which provides both the standard and exceptional medical services normally available only in larger metropolitan centers.

The role of the MCHV is unique in the northern New England region. Not only is it the teaching hospital of the University of Vermont College of Medicine and a referral center for Vermont, upstate New York, and New Hampshire, but it is also the major community hospital for the 125,000 inhabitants of the Greater Burlington area. A balance exists, therefore, between patients with complicated and rare diseases and those with conditions that are prevalent in any community, a balance that provides every medical student and resident at the Medical Center Hospital with medical experiences in breadth as well as depth.

Each year nearly 18,000 patients are admitted and over 32,000 patients are treated in the emergency room of the hospital. The MCHV provides 475 beds, open and staffed. Almost all of the more than 400 physicians on the attending staff hold full- or part-time faculty appoint-
ments in the College of Medicine. Some 200 resident physicians and fellows participate in the hospital’s 15 postdoctoral training programs.

Within the units of the MCHV are such special facilities as MRI, two CT scanners, diagnostic ultrasound and nuclear scanning, cobalt and linear accelerator for radiation therapy, remotely controlled cinefluorographic units for diagnosis, as well as more conventional equipment. A nationally-recognized cardiology program is deeply involved in heart attack research. A Clinical Research Center and a full Renal Dialysis and Transplant Unit are in operation.

Three discrete areas — the Surgical Intensive Care Unit, the Medical Intensive Care Unit, and the Intensive Care Nursery — care for critically ill and injured adults and infants, many of whom are referrals transported from throughout the region by an outstanding volunteer Emergency Medical Service and U.S. Air Guard helicopter when necessary.

Regionalization of health care is increasingly emphasized by the hospital. For example, broad regional outreach throughout the area has been furthered by extension of the professional expertise and resources of the hospital’s perinatal services and its Renal Dialysis and Transplant Unit, with special coordination between this center and the Dartmouth-Hitchcock complex at Hanover, New Hampshire.

A $50 million redevelopment project was completed in the spring of 1985, enabling the hospital to consolidate services and provide patient care in appropriate facilities. Included in the seven-story addition are a new radiology and nuclear medicine department, cardiology laboratory, emergency department, surgical suite with 13 operating rooms and recovery room, two 16-bed critical care units, and two 45-bed nursing units. The Intensive Care Nursery was increased to 20 beds and relocated to new facilities in January 1989.

Maine Medical Center

In 1979, an affiliation was established between the UVM College of Medicine and the Maine Medical Center in Portland, thus adding the facilities of this prestigious 590-bed hospital as a site for clinical instruction of our medical students.

Committed since its founding to education as well as to patient care and clinical and basic research, the Maine Medical Center provides sophisticated as well as basic care in all fields of medicine and surgery. MMC has always been noted for the humanism of its bedside nursing.

Teaching is provided by members of the medical staff who hold faculty appointments at the College of Medicine. This is supplemented on a regular basis by members of the faculty from Burlington.

Housing for UVM medical students is available in nearby Chisholm and Thomas Houses. Previously private homes, these attractive buildings have been renovated and refurbished to comfortably accommodate our students.

Other Hospitals

Several departments in the College of Medicine also utilize the Fanny Allen Hospital in Winooski Park and the Champlain Valley Physicians’ Hospital in Plattsburgh, New York, for the training of medical students and house officers.

The Vermont Regional Cancer Center

Director: Roger S. Foster, Jr., M.D.

The Cancer Center’s focus is on cancer research, prevention, education, and the provision of state-of-the-art patient care. It serves all of Vermont and northern New York State. The Center serves an educational role in cancer-related matters for undergraduate and postgraduate teaching and, through its outreach program, for physicians and other health professionals in Vermont; it initiates and coordinates cancer research in the University and in other biomedical research institutions in the Vermont region; and it serves as a treatment and consultative resource for patients with cancer through its interaction with clinical departments in the College of Medicine.

The Center has major research programs in anticancer drug development, cancer control, clinical studies, and genetic toxicology. A new program in growth control/signal transduction is rapidly developing.

We function in close concert with the academic departments in the University. Each of the 70 professional members and associate members of
the Cancer Center holds an appointment in the academic department appropriate to his or her discipline.

The Vermont Regional Cancer Center has been designated a Specialized Cancer Center and is the recipient of a "core" grant from the National Cancer Institute; that grant provides for the administrative and scientific framework upon which our research, teaching, and patient care functions are built.

Office of Health Promotion Research

Director: Roger H. Seeker-Walker, M.B., F.R.C.P.

This office, which developed from the Vermont Lung Center, is actively involved in research into health education. Two research projects funded by the National Institutes of Health address methods for the primary prevention of cigarette smoking and smoking cessation. With a strong experimental design and detailed evaluation, these programs are being conducted in schools, communities, and physicians' offices in Vermont. A third project, designed to help prevent the onset of smoking through extensive use of mass media, is being carried out in New York and Montana. Completed projects address smoking cessation methods in physicians' offices and breast self-exam education in community settings. Pilot projects have been conducted to enhance dentists' advice to help their patients quit smoking and to strengthen family physicians' advice about diet and nutrition.

Our programs are multidisciplinary and involve the efforts of faculty in several colleges and departments at the University of Vermont, as well as staff at the Vermont Lung Association, teachers in the schools of target communities, and nurses in home health agencies.

Through active collaboration with the Vermont Regional Cancer Center, the Office of Health Promotion Research initiates cancer control research efforts. Our major accomplishment this past year has been the development of a proposal to study the comparative effectiveness of promoting breast cancer screening through medical channels alone, compared to promotion through a combination of medical and public health channels; to enhance maintenance of breast self-exam through self-reward strategies; to determine the effects of breast screening promotion on breast cancer mortality; and to assess the cost-effectiveness of breast cancer screening promotion programs.

Research interests include community organization and coalition-building as methods for delivering health education and encouraging changes in people's health-related behaviors.

Medical Biostatistics/Biometry Facility

Acting Director: Michael C. Costanza, Ph.D.

The Medical Biostatistics/Biometry Facility group provides a comprehensive program of statistical support for clinical, epidemiologic, and basic science research. The unit is structured to provide assistance in experimental design, sample size determination, survey sampling, questionnaire development, interviewer training, data acquisition, data management and processing, statistical analysis, interpretation, and publication of research results.

Our faculty are affiliated with the UVM Statistics Program which offers both undergraduate and graduate opportunities. Undergraduate students may take advantage of a premedical option that provides substantive experience with medical research issues as well as contact with medical school researchers. An M.S. degree in Biostatistics with emphasis on medical applications is also available. Many medical students have used the resources of the Biometry Facility for designing and analyzing the data from their senior research projects.

The University's large mainframe VAX 8600 and IBM 438-II computers are accessible from a number of terminals. Available software includes BMDP (Biomedical Computer Programs), SAS (Statistical Analysis System), SPSS-X (Statistical Package for the Social Sciences), IMSL (International Mathematical and Statistical Library), and a variety of other special purpose routines. A microcomputer network is also available for the purpose of data entry, editing, and analyzing medium-sized data sets.

Central Animal Facility

Director: Ernest M. Reit, D.V.M., Ph.D.

The Central Animal Facility is equipped to care for a variety of mammalian species, ranging from small rodents to primates and larger domestic herbivores, under regular and certain special housing conditions. It is available to all investigators in the College on a fee-for-service basis. We maintain an inventory of veterinary drugs, advise on preparation of research grants involving animals, and provide consultation and...
instruction on the prevention, diagnosis, and treatment of illness or injury as well as in methods of restraint, analgesia, anesthesia, and euthanasia.

In addition to the Central Animal Facility, the College's laboratory animal care resources include three small, independently-operated satellite facilities in the Departments of Biochemistry, Medicine, and Pathology. These have regular access to the services and personnel of the Central Animal Facility. All animal facilities—central and satellite—are inspected semi-annually by members of the University's Animal Care and Use Committee and have been accredited by The American Association for Accreditation of Laboratory Animal Care, signifying that they conform to the standards for care, use, and humane treatment of laboratory animals as set forth in the Animal Welfare Act (PL 89-544, as amended), the DHHS Guide for the Care and Use of Laboratory Animals, the NIH Principles for Use of Animals included therein, and other applicable laws and regulations.

Medical Photography

Director: Wing M. Woon

Medical Photography has a full-time staff whose services are available to all departments for patient photography, photomicrography, medical illustration, teaching aids, and movies, in both black and white, and color. Modern audiovisual equipment is also available for teaching purposes.

Organizations

The UVM Medical Alumni Association and Its Century Club

The UVM Medical Alumni Association, whose membership is comprised of all graduates of the College of Medicine, is increasingly active in its support of the school and the student body.

In 1959, the Association created the Century Club as an alumni support group, which, over the years, has grown to include faculty, parents, and friends of the College of Medicine. The Medical Alumni Association has benefited from more than $1,500,000 of gifts contributed through the Century Club during the latter's 20-odd years of existence. More than half of this (over $1,023,000) has provided low interest, revolving loans for medical students in need of financial aid. It has also strengthened the Dana Medical Library by providing needed periodicals and texts. Several years ago, the Century Club initiated the Century Forum (seminars featuring distinguished scientists from around the world) and has also sponsored visiting scholar programs for the various departments in the College. Some years ago, the Medical Alumni Association brought back old memories plus new interests to its alumni through the publication of Hall A; in 1979 it commissioned the publication of the history of the UVM College of Medicine. Through its Century Club, the Medical Alumni Association has furnished a student lounge, purchased equipment for faculty and students, supported numerous student activities, and awarded prizes for special achievements to members of the graduating class. A most worthy accomplishment has been its support toward the endowment of the academic chairs in pathology and internal medicine.

For the years 1988-90, the following will serve as officers of the University of Vermont Medical Alumni Association:

President: Larry Coletti '57
President-Elect: Mildred Reardon '67
Treasurer: John Mazuzan '54
Secretary: Jay Selcow '59
Alumni Executive Secretary: John Tampas '54

Executive Committee: The officers, the Dean of the College of Medicine, the Director of Alumni Affairs, and six other members-at-large. The past presidents of the Association and the presidents of the undergraduate classes of the College of Medicine shall serve as ex officio members with voting privileges.

The Department of Anatomy and Neurobiology

Professors Parsons (Chairperson), Young; Associate Professors Ariano, Fiekers, Freedman, Powers, Wells; Assistant Professors Cornbrooks, Forehand, Maue, May; Research Assistant Professor Braas; Lecturers Ezerman, Fonda, Lee.

Rodney L. Parsons, Ph.D., Chairperson

Departmental Research Program

Our research activities are concerned with nervous system structure and function and thyroid cytophysiology. Specific areas of interest include: physiology and pharmacology of synaptic transmission; the influence of drugs and ions on the kinetic properties of ion channels in cultured and adult cells; neuron-glia interactions in the peripheral nervous system during development and repair; development of biochemical techniques and monoclonal antibodies for immunohistochemical studies in vitro and in vivo; cyclic nucleotide and monoamine cytochemistry in the CNS and sympathetic ganglia; electrophysiological, anatomical, and pharmacological properties of vertebrate peptidergic neurosecretory cells; mammalian neuronal development; regeneration and plasticity using intrachephalic transplants of embryonic tissue to the CNS of adult or neonatal recipients; development of the mammalian nervous system; intracellular staining of neurons; histochemical and electrophysiological analysis of autonomic nervous system regulation of gastrointestinal function; analysis of the avian motor system; neurosecretion and neuroendocrinology of fishes; structural reorganization of the nervous system after injury; and the cellular dynamics of thyroid follicular cells.

Basic Science Core

We offer courses to medical students in gross anatomy, microscopic anatomy, and neuroscience.

GROSS ANATOMY. This course provides an understanding of the fundamental principles of organization of the human body through individualized laboratory instruction involving dissection of the entire cadaver. Models, cross sections, charts, radiographs, slides, and movies are utilized as teaching aids. Gross anatomy, embryology, radiological anatomy, and clinical correlation lectures are also presented. Upon completion of this course, the first-year medical student will have a working knowledge of anatomy and an appreciation for the fundamental role of gross anatomy in other medical disciplines. Three lecture and 11 laboratory hours are offered each week during the first trimester.

MICROSCOPIC ANATOMY. This course will help students acquire useful and meaningful concepts of cell and tissue morphology and the structural organization of selected organs, an appreciation of structure as the locus of function, and an introduction to the methodology of histologic examination of tissues. Histochemistry and electron microscopy are emphasized when they illuminate structural and functional concepts. Six hours of lecture and laboratory are offered each week during the first trimester.

NEUROSCIENCE. This course emphasizes the morphological and physiological features of neuronal and non-neuronal cells in the human central nervous system and the anatomical organization of these cellular elements into functional systems. The organization of sensory and motor systems and the integration of associa-
ative neural centers related to behavioral functions are emphasized through clinical presentations in preparation for intelligent diagnosis and localization of neural disorders. The course is offered in the second trimester and includes approximately 12 hours of lecture, conferences, and laboratory per week.

Elective Program
In cooperation with interested clinical departments, we offer, in addition to Graduate College courses, advanced courses in neuro-anatomy, gross anatomy, and histology.

Combined College of Medicine and Graduate College Degree Program
We offer graduate courses and research opportunities leading to the Ph.D. degree to interested medical students. Participation in this degree program is conducted under the regulations of the Graduate College and requires the approval of the College of Medicine and the Department of Anatomy and Neurobiology. For information on courses and programs offered by the Department, consult the Graduate College catalogue or contact the Chairperson, Department of Anatomy and Neurobiology, University of Vermont, Given Building, Burlington, Vermont 05405.
Our teaching program is designed to impart a knowledge of fundamental biochemistry which will permit an understanding of present applications and future developments related to medicine. In order to provide the biochemical information needed by other basic sciences, biochemistry is offered at the beginning of the first year. Emphasis is placed on fundamental biochemical principles and applications to medicine.

Members of the department are also available for participation in other courses in the medical curriculum.

**Basic Science Core**

MEDICAL BIOCHEMISTRY. Lectures, conferences, and assigned readings are offered in biochemistry, particularly as it relates to medicine. The course stresses the area of molecular biochemistry: chemistry, structure, and metabolism of protein, amino acids, carbohydrates, lipids, and nucleic acids, and the properties and functions of enzymes. The biochemistry of the whole organism is of particular consideration. Respiration, hemoglobin, iron metabolism, plasma proteins, acid-base balance, mineral metabolism, vitamins, hormones, and control mechanisms are some of the topics discussed.

**Elective Programs**

Opportunities exist for additional training in both the theoretical and practical aspects of biochemistry. Graduate courses offered by the department are available to qualified medical students as part of their elective program. Participation in the research activities of the department is possible as an elective and also during the summer.

**Combined College of Medicine and Graduate College Degree Program**

We offer graduate programs leading to the M.S. and Ph.D. degrees. The option of a combined degree program is open to interested and qualified medical students, subject to the approval of the department and to the regulations of the Graduate College. We have extensive facilities which are well equipped with modern instruments for all areas of research in biochemistry and molecular biology. The research activities of our faculty make available a broad spectrum of studies including mechanisms controlling ovarian function; regulation of gene expressions in developing and neoplastic tissues; physiology and biochemistry of thrombolysis; mechanisms of hormone action; neurochemistry of receptor function and molecular mechanisms of neuronal plasticity; gene expression in androgen responsive systems; toxicity of cadmium and its reactions in the lung; regulation of initiation of DNA synthesis in mammalian chromosomes; regulation of biochemical reactions in blood coagulation; molecular biology, cloning and expression of blood coagulation proteins; macromolecular assembly in blood coagulation and bone formation; transport of iron into cells by receptor mediated iron-binding proteins; regulation of growth of liver, vascular, and prostate cells; enzymology of protein and nucleic acid processing and breakdown; phospholipid biochemistry; regulation of cell growth; chemistry and biochemistry of vitamin B₆; cellular interactions with coagulation proteins; protein biochemistry of bone in aging; tumor biochemistry; nature of the binding of metals to proteins, particularly the iron-binding proteins of blood plasma.

For additional information on our graduate programs, consult the catalogue of the Graduate College or write to us for a copy of our brochure. Specific questions should be addressed to Chairperson, Department of Biochemistry, University of Vermont, Given Building, Burlington, Vermont 05405.
The Department of Family Practice

Professors Bouchard, Hochheiser (Chairperson); Associate Professors Gallagher, Hughes, Little, Ramsay, Saia, Sproul, Tormey; Clinical Associate Professors Allard, Lantman, Park, Ryan, Stanilonis, Vogt; Assistant Professors Haller, Peterson, Reiss, Wadland, Ward; Clinical Assistant Professors Backus, Bertocci, Coddaire, Copé, Ferguson, Fifield, Miller, Murray, Rosmus, Scholan, Waring, Williams; Research Associate Professor Worden; Research Assistant Professor Flynn; Clinical Instructors Beyer, Cook, Crose, Massanari, Matthew, Smith, Tockman.

Maine Medical Center: Professor Randall (Chief); Associate Professor Belisle; Clinical Associate Professors Abbott, Haskell, Hill, Knapp, McNeil, Paule; Clinical Assistant Professors Bellino, Paulding, Rockefeller, Saffer; Instructors Bray, Harper, Kita, Korsen, Schirmer; Clinical Instructors DeSieyes, Rowland, Sanborn.

We offer instruction to medical students and administer a residency program in affiliation with the Medical Center Hospital of Vermont and the Fanny Allen Hospital. In addition to a central office in the Given Building, we operate ambulatory teaching practices at the Villemaire Family Health Center in Milton, the Colchester Family Health Center in Colchester, and the University Family Practice Medical Office Building at Fanny Allen Hospital. A number of practices in Vermont and Maine provide clinical instruction to students. Philosophically, we are concerned with the provision of comprehensive, continuous primary medical care with an orientation to the family and the community.

Basic Science Core
We offer a required course entitled Basic Clerkship which begins in the fall semester of the first year and meets weekly throughout the Basic Science Core. The first four months are spent learning the techniques of physical examination in peer group tutorials. During the next year, further instruction in interviewing, examining, and obtaining a medical history is scheduled in a variety of outpatient and hospital settings. By the completion of the clerkship, students are capable of eliciting a thorough medical history, performing a complete physical examination, and producing an orderly problem-oriented medical record.

A required course on sexuality in health and illness is taught during the fall semester of the sophomore year. The course provides students with a basic knowledge of sexual development, function, and problems, and a forum to conceptualize how patients' sexuality influences their health and illness.

A 16-week elective in family medicine is offered on a space available basis during the second and third semesters of the first year. One half day per week is spent working with a family physician in the greater Burlington area. The purpose of the elective is to provide an early introduction to family medicine with its emphasis on comprehensive and continuing care of patients and their families and to provide the opportunity to develop skills in physical examination, diagnosis, and medical interviewing. Students also learn about the management of common problems in ambulatory medicine.

Senior Selective Program
One month of Family Practice preceptorship is required of all students during the Senior Selective portion of the curriculum. Students are placed in a variety of family practice settings in northern New England to provide an exposure to family practice, participation in the management of common medical problems, and observation of doctor-patient relationships in the context of family and community.

We offer an advising program for students considering a career in family practice.
The Department of Medicine

The Department of Medicine has as its three-fold mission scholarly instruction in the disciplines of general and subspecialty internal medicine, active involvement in clinical and basic biomedical research, and provision of high quality care to patients.

Our faculty have had advanced training in the broad field of internal medicine, and most have additional research or special clinical skills that provide balance and strength through the areas of departmental responsibility in hospitals, clinics, and laboratories.

As attending or consulting staff physicians at the Medical Center Hospital of Vermont, we provide daily patient care and bedside instruction and supervision for students, house staff, clinical trainees, and other physicians. As clinical and laboratory investigators, we bring refined and quantitative methods to bear on problems of human disease, often working as units or teams in laboratory areas within the medical school complex.

The many formal and informal departmental conferences ranging from Medical Grand Rounds to daily bedside rounds are attended by students, house staff, senior staff, and visiting physicians.

Clinical Science Core

The 12-week clinical clerkship in Medicine emphasizes care of patients hospitalized on the medical services at the Medical Center Hospital of Vermont, the Champlain Valley Physicians' Hospital, and the Maine Medical Center. Students selecting the Maine Medical Center complete the entire clerkship at that site; students selecting the Medical Center Hospital of Vermont site spend two months at the MCHV and one month in Plattsburgh. In each institution, students are encouraged to take progressive responsibility for patient care under the supervision of house staff and attending physicians.

Advanced Basic Science Core

Epidemiology is taught by case method by preceptors with groups of students and emphasizes the distribution and determinants of disease in population. Students participate as epidemiologists in investigating disease outbreaks, appraising the evidence in published clinical observations, and developing research designs. Teaching examples are from actual outbreaks and published clinical studies. We view epidemiology as a basic science for physicians that strengthens clinical observations and assists patient care.

Senior Selective Program

The discipline of Internal Medicine demands intellectual curiosity, academic rigor, and effective relationships with patients, peers, and medical associates. We attempt to enhance these behaviors in rotations on the medical services at the Medical Center Hospital of Vermont and the Maine Medical Center. Each of these institutions offers acting internships in medicine. We also offer subspecialty electives combining both inpatient and ambulatory care experience in cardiology, dermatology, gastroenterology, geriatrics, hematology, infectious diseases, endocrinology-metabolism and nutrition, nephrology, oncology, pulmonary diseases and rheumatology-clinical immunology. In addition, interested students wishing to arrange a research experience under the guidance of a faculty member in the department are encouraged to do so. Our faculty welcome the opportunity to serve as faculty advisors to students during the Senior Selective Program.
Unit of Cardiology

Professors LeWinter (Director), Levy, Tabakin; Associate Professor Ditchez, Hamrell; Assistant Professors Ades, Brown, Capeless, Langnurd; Research Assistant Professor Slinger; Clinical Associate Professors Gundel, O'Brien, Raabe, Terrier; Clinical Assistant Professors Baker, DeSilvey, Shapiro, Walker; Clinical Instructors Bonazanga, Davis, Fitzgerald, Heitzman, Pratt. Sommers; Clinical Assistant Professors Alpren, Cutler, Driscoll, Taylor; Instructors Allen, Kurkjian, Lemieux, Mills.

The Cardiology program includes demonstrations and lectures on examination of the heart and cardiovascular system, an elective for third- and fourth-year students emphasizing reading electrocardiograms and consulting on inpatients with cardiological problems, and a very busy teaching program for those students assigned to the Coronary Care Unit and cardiac floor. All of the medical house officers receive training in the CCU and on the cardiac floor and fellowships are available to house officers who have completed their medical residency training. Our program is very comprehensive and graduates are highly-skilled, fully-trained cardiologists. In addition to our multilevel teaching program, we operate a referral clinical cardiology service for a large geographical area which includes most of Vermont and much of upstate New York. A complete range of sophisticated diagnostic and therapeutic procedures is available to these referred patients.

Our research program includes studies on cardiac muscle function, cardiopulmonary resuscitation, exercise function, the therapy of cardiac rhythm disturbances, artificial pacemakers, acute myocardial infarction, and coronary artery disease.

Unit of Dermatology

Professor Krusinski (Director); Clinical Professor Jas. Madison; Clinical Assistant Professors Dennison, Lepage. Sommers; Clinical Assistant Professor Morse, Sommer; Clinical Instructor Taylor.

Our faculty participates in didactic lectures to medical students in the Basic Clerkship and during the Clinical Core. Senior students rotate through the division in one- to three-month electives.

The educational program is multifaceted with instruction revolving around patient care in the ambulatory setting. The unit participates in many continuing medical educational programs for primary care physicians and for dermatologists.

We also serve as a regional center for consultation and for dermatologic and Mohs surgery for skin malignancies. Research interests are varied and include: the immunology of nonmelanoma skin cancer; topical minoxidil for male pattern baldness; dermatoses of pregnancy; and therapeutic trials of new drugs for acne and atopic dermatitis.

Unit of Endocrinology, Metabolism, and Nutrition

Professors Horton (Director), Danforth; Associate Professor Robbins; Assistant Professor Calles-Escandon, Delvin, Nair; Clinical Associate Professor Kryssar; Clinical Assistant Professor Fitzgerald. Sommers; Clinical Assistant Professor Spratt; Clinical Instructor Hotelling.

Our faculty is actively engaged in a variety of research efforts and is known for its expertise in energy balance, thyroid hormone metabolism, exercise physiology, carbohydrate metabolism, and insulin chemistry. Our faculty are currently engaged in research on the mechanisms
of energy regulation, insulin resistance, the interrelationship of nutrition to thyroid hormone metabolism, gestational diabetes, metabolism of injected insulin in diabetes mellitus, and application of low-protein diets to patients with renal disease. We welcome the participation of students in these projects.

**Unit of Gastroenterology**

Professors Krawitt (Director), Beeken; Associate Professor Kelleher; Assistant Professor Vecchio; Clinical Associate Professors Alden, Ludewig, Moyer.

Maine Medical Center: Clinical Assistant Professors Augur, Howell, Wexler, Winchenbach.

Gastroenterology participates in teaching medical students during the Basic and Clinical Science Cores and the Senior Selective Program. Efforts are directed at teaching diagnosis, management, and pathophysiology of gastrointestinal diseases including those of the esophagus, stomach, small intestine, large intestine, pancreas, gallbladder, and liver. During the Senior Selective Program, students develop techniques of data collection and synthesis for the diagnosis and management of dysphagia, vomiting, jaundice, hepatomegaly, ascites, abdominal pain, gastrointestinal obstruction, gastrointestinal bleeding, diarrhea, and constipation. During that period, they also have the opportunity to observe endoscopic procedures and biopsy techniques.

Faculty research efforts are directed toward understanding the immunopathogenesis of inflammatory bowel disease, enteric infections, chronic hepatitis, and the definition of markers of gastrointestinal tumors.

**Unit of General Internal Medicine**

Professors Tufo (Director), Babott, Bouchard; Associate Professors Bronson, Graman; Assistant Professors Bertsch, Gunther, Hazard, Luria, MacLean, Plante, Ramsey, Rubin, Schultz, Warner; Clinical Professor Moynihan; Clinical Associate Professors Allard, Babott, Godoletz, Lantman, Milne, Park, Ryan, Ryder, Scollins, Stanilonis, Stouch; Clinical Assistant Professors Bedard, Collier, Dean, Hadlock, Hayden, Hindes, Mongeon, Rubman, Wainer, Withrell; Clinical Instructors Carney, Cross, Frost, LaFiandra, Rothwell; Instructor Lancaster, Morris.

Maine Medical Center: Professor Hillman; Associate Professor Cox, Keilson; Assistant Professors Rand; Clinical Associate Professors Saunders, Whitney; Clinical Assistant Professors Briggs, Bryant, Carnes, Ervin, Hardy, Larned, Scott; Clinical Instructors Bell, Bolton, Broda, Cathcart, Crouch, Frederick, McLaughlin, Myers, Paul, Pringle, Sigler, Sturges, Taylor, Thurber, Webber; Instructors James, Rinder.

Through the Given Health Care Center, we offer elective programs in the preclinical and clinical years for students interested in ambulatory health care. Postgraduate residency training in both the inpatient service and Given Health Care Center is provided by members of our unit. A specialized postgraduate program in training of the general internist is offered to selected residents. Students may participate in research programs in health care delivery, epidemiology, and health care economics.

**Unit of Gerontology**

Professors Tisdale (Director), Waller; Associate Professor Runge; Assistant Professor Tonino; Clinical Assistant Professor Walsh.

Geriatrics has developed an integrated four-year geriatric medical curriculum that emphasizes normal aging, clinical disorders of the elderly, and principles of long-term care. Clinical teaching and patient care experiences are centered in general hospital, ambulatory office, nursing home, and community and home settings. Current clinical research projects include: the effects of exercise on carbohydrate metabolism in the elderly; the role of functional health assessments in long-term care; the causes of accidents in nursing homes; and the epidemiology of dementia.

**Unit of Hematology and Medical Oncology**

Professors Albertini, Branda (Director), Burns, Collen; Associate Professor Stewart; Assistant Professors Grant, Lollar, Roberts, Stump; Research Associate Professor O'Neill; Research Assistant Professors Nicklas, Tracy; Clinical Professors Wallace, Westphal; Clinical Associate Professor Reardon; Clinical Assistant Professors Burns, Griffin, Valentine.

Maine Medical Center: Clinical Associate Professors Bove, Boyd, Carroll, Case; Clinical Assistant Professor Dorsk; Clinical Instructors Hayes, Shepp; Lecturer Ervin.

Hematology evaluates and treats patients with diseases of the blood, bone marrow, and lymphatics. Teaching occurs at the bedside, in the clinic, and during patient-oriented conferences. We offer electives to provide house staff and medical students experience with the comprehensive management of hematologic conditions. In addition, we offer the opportunity to participate in active research programs in the areas of thrombosis and bleeding problems, leukemia, genetics, blood transfusion, and anemias. Medical Oncology provides comprehensive diagnosis, evaluation, and treatment of all forms of cancer. Medical students and house staff learn through patient contact, lectures,
and conference about tumor biology, clinical manifestations of malignancy, and multidisciplinary therapeutic approaches. Elective opportunities are provided for participation in research programs involving chemotherapeutic drug development, immune aspects of neoplasia including adoptive immunotherapy, and drug trials. A postgraduate training program is available to prepare physicians for joint certification in the subspecialties of Hematology and Medical Oncology.

**Unit of Infectious Diseases**

*Professors Gump (Director), Forsyth; Assistant Professor Grace; Clinical Assistant Professor Christmas; Clinical Instructors Fink, Miller.*

*Maine Medical Center: Clinical Associate Professor Bach; Clinical Assistant Professors Claffey, Hall, Valent.*

Our unit teaches the diagnosis and treatment of all types of infections, including viral, bacterial, fungal, and parasitic diseases.

During the Basic Science Core, in conjunction with Microbiology, lectures stress the relationship of infectious diseases to this basic science discipline. In the Clinical Science Core, the use of laboratory techniques are stressed in the diagnosis and therapy of infectious processes. Finally, during the Senior Selective Program students are provided with an opportunity to participate in the diagnosis and therapy of patients presenting a variety of infections.

Research is actively pursued in the area of phagocytic function, and the evaluation of newer antimicrobials. Students are welcome to participate in these activities.

**Unit of Nephrology**

*Professors Gennari (Director), Kunin; Associate Professors Hood, Rimmer; Research Associate Professor Maddox; Clinical Professor McCracken; Clinical Associate Professor T. Terrien; Clinical Instructor Hirsch; Research Associate Professor Meyer.*

*Maine Medical Center: Associate Professor Leeper; Assistant Professor Mahoney; Clinical Assistant Professors Haller, Parker, Walworth.*

Our faculty contribute to undergraduate medical education at several levels. In conjunction with Physiology and Biophysics, lectures are offered in electrolyte and acid-base physiology. In the Clinical Core, instruction is given in nephrology, hypertension, and acid-base and electrolyte disorders. In the Senior Selective Program, a one-month elective in nephrology is offered throughout the year. Faculty members are involved in research projects in acid-base physiology, pathophysiology of acute renal failure, and hypertension. Interested students are invited to become involved in these projects.

**Unit of Pulmonary Medicine**

*Professors Davis (Director), Graham, Secher-Walker; Assistant Professor Gannon, Wencel; Research Associate Professor Asher; Clinical Professor A. Bergner, Clinical Assistant Professor Madison; Adjunct Professor Kelley.*

*Maine Medical Center: Professor Aranson; Associate Professors Bokinsky, Caldwell, Tooker; Assistant Professor Altman; Instructors Bagwell, Williams.*

The scientific interests of our faculty are broad, ranging from basic biochemical research on lung connective tissue metabolism to epidemiology of occupational lung disease. Much of the research effort centers around immune-inflammatory defenses and injury in the lung. Clinical studies include research on pulmonary fibrosis, acute and chronic lung injury, bronchial lavage, silicosis, and smoking cessation. Basic laboratory research focuses on alveolar macrophage interactions with fibroblasts, lymphocytes, and neutrophils, and on collagen biochemistry. Lung defense mechanisms are studied through animal models of lung injury, silicosis, and Legionnaires' Disease.

Clinical and research training in respiratory diseases is a high priority. Physicians who have completed training in Internal Medicine enter a three-year program for education in the subspecialty of pulmonary diseases, and acquire in-depth experience and teaching in clinical consultation, critical care, pulmonary physiology, tuberculosis, and associated technical procedures. Most of the time in the second and third years of training is devoted to research, with participation in clinical and laboratory projects usually leading to presentation and publication of the results obtained. Additional training in critical care is available. Medical student summer fellowship researchers and master's and doctoral degree candidates in cell biology often work in our laboratories.
Unit of Rheumatology and Clinical Immunology

Professor Cooper (Director); Associate Professor Leib; Assistant Professor Buckley; Clinical Associate Professors Lipsom, London, Martenis.

Maine Medical Center: Professor Ritchie; Clinical Professor Phelps; Clinical Associate Professors Anderson, Thompson; Clinical Assistant Professor Miller.

During the Clinical Core, our faculty instruct students on the approach to and examination of the musculoskeletal system. A one-month elective in the Senior Selective Program is offered for students interested in developing expertise in the evaluation and care of rheumatic disease patients in an out-patient setting. Instruction also emphasizes current concepts of immunology and their relationship to autoimmune diseases.

Faculty members are involved in research projects directed at the study of T cell mediated immune mechanisms in the pathogenesis of rheumatoid arthritis and the effects of new therapies on inflammatory arthritis. Students who are interested are invited to participate in these projects.
The Department of Microbiology

Professors Albertini, Fives-Taylor, Gump, T. Moehring, Novotny, Schaeffer, Wallace (Chairperson); Associate Professors Forsyth, Sjogren; Assistant Professors Bateman, Burke, Johnson, Pederson; Research Professor J. Moehring; Research Associate Professor Raper; Research Assistant Professors Ide, Kow, Melamede, Pratt, Rutkowski; Visiting Assistant Professor Silverstein; Lecturer Tessmann.

Through our teaching and research programs, we provide training in the fundamentals of pathogenic and advanced microbiology. Areas of special teaching competence or research interest include: molecular mechanisms of pathogenesis; molecular basis for bacterial virulence: mechanisms of adhesion and invasion of host cells; genetics of resistance of mammalian cells to diphtheria toxin, pseudomonas toxin, and viruses; understanding the role of cytoplasm in the induction and maintenance of the malignant state; the molecular biology of mating-type in Schizophyllum commune; control of cellular morphogenesis during the yeast cell cycle; the generation and maintenance of cell polarity; molecular approaches to the study of DNA damage and repair: DNA repair enzymology, biological consequences of oxidative DNA base damage; assembly and function of transcription complexes in chromatin; the role of DNA methylation in viral transcription; RNA polymerase II transcription in Acanthamoeba; RNA splicing and catalytic RNA; occurrence and survival of bacterial pollutants; dispersal of antibiotic and virulence genes in water and soil ecosystems. Medical students, with permission, are encouraged to participate in any of these activities during free or elective time.

Basic Science Core

MEDICAL MICROBIOLOGY. The primary objective of this course is to present to students of medicine those aspects of microbiology which they as physicians will find of value. Mechanisms of pathogenesis and specific agents causing diseases of viral, bacterial, fungal, and parasite origin are discussed with emphasis on the ecological rather than taxonomic approach. A detailed description of the host's immune system and its response to infection is presented, along with the role of the immune system in transplantation, autoimmune diseases, and AIDS. Other topics of current interest include viral oncogenesis, microbial resistance to antibiotics, and infections occurring in the immunocompromised host. A number of laboratory sessions illustrate how the lab can be an aid to the student of microbial disease in diagnosing infections.

Combined College of Medicine and Graduate College Degree Program

We offer programs of study leading to the M.S. and Ph.D. degrees, and medical students are encouraged to enroll in our joint degree program. Opportunities are available to conduct thesis research in the areas described in the introductory paragraph above. The general requirements for entrance into and completion of such a program are summarized in the accompanying general paragraph on page 10.

For additional information on graduate programs in the Department, consult the catalogue of the Graduate College or write to the Department for a copy of our brochure. Specific questions should be addressed to Dr. Thomas J. Moehring, Department of Microbiology, University of Vermont, Given Building, Burlington, Vermont 05405.
The Department of Neurology

Professors Bradley (Chairperson), Lubker, Martin; Associate Professors Emery, Gomez; Assistant Professors Dissin, Fries, McSherry; Sriram, Tandan; Research Assistant Professor Robinson; Clinical Associate Professors Ciangoli, Lyon, Podhajski, Roomet, Waddington; Clinical Assistant Professors Azar, Bennett, Brittain, Edwards, Pendelbury, Scollins, Snyder; Clinical Instructors O'Brien, Peaper.

Maine Medical Center: Associate Professor Kunkle; Clinical Assistant Professors Boothby, Jasevitz, Leschev, Rioux, Sullivan.

Our department provides instruction to undergraduate students in diseases of the nervous system, sponsors a graduate residency training program in neurology at the Medical Center Hospital of Vermont, and actively participates in allied health and continuing education programs. House officers from other programs, in particular medicine and psychiatry, rotate through the neurology service routinely. Resident physicians assist in the instruction of students on the inpatient service. Didactic conferences are held regularly and are primarily for the benefit of medical students. An active visiting professor's program enhances the teaching program. Our faculty engages in both primary and consultative patient care and clinical investigation and operates several specialized outpatient clinics. Special emphasis is placed upon child neurology and sophisticated electrodiagnosis.

Basic Science Core

In the context of the integrated course, Basic Clerkship, our staff provides a brief review of neurophysiology, demonstrates and explains methods of neurological diagnosis, discusses ancillary laboratory techniques, and supervises student performances of bedside neurological examinations. The faculty participates in the neuroscience course and as occasional lecturers in some of the other basic science courses.

Advanced Basic Science Core

We are responsible for a 16-hour course designed to provide groundwork in clinical neuroscience, to place basic neuroscience knowledge into the clinical context, and to provide an introduction to clinical neurology and neurosurgery.

Senior Selective Program

We participate in the Senior Selective Program. Elective rotations are available on the ward service (acting interns), on the child neurology service (primarily outpatient experience), inpatient consultation service, electrodiagnostic laboratory, and Center for Language and Learning, all conducted at the MCHV. Close and frequent faculty contacts are the hallmark of these elements—direct faculty involvement occurs on an average of 16 hours per week. The experience in clinical neurology familiarizes the student with the concepts and mechanics of the neurologic history and examination, and with the symptomatology and management of common neurologic diseases, emphasizing those illnesses commonly encountered in family practice. Students become an integral part of the diagnostic and management teams. In addition, considerable experience is gained in neuropathology, interpretation of neuroradiologic and electrodiagnostic procedures, and with the medical, neurosurgical, psychiatric, and psychological aspects of disease of the nervous system by means of frequent and close contacts with those specialties. Similarly, students gain experience in the rehabilitative and orthopaedic aspects of these illnesses. The inpatient service is very active, with a large number of admissions, a very rapid turnover, and a wide variety of clinical problems.
The Department of Obstetrics and Gynecology

Professors Clapp, Durfee (Associate Chairperson), Riddick (Chairperson), Simmons; Associate Professors Auletta, Belinson, Braun, M. Gibson, Lewis, McLaughlin; Assistant Professors Bradley, Braun, Brumsted, Capeless, Catalano, Jarrell, Magrane, Osol, Smith; Instructors Aboe, Bernstein, Deaton, Meyer, Nakajima; Clinical Professors Mead, Thabault; Visiting Professor Solomon; Clinical Associate Professor Davis; Clinical Assistant Professors Cannon, Foley, Granai, Hayward, Keleher, Mazur, Murphy, Record, Romeyn, Russo, Stockwell, Taber; Clinical Instructors Campbell, Carroll, Gallagher, Gannon, M.H. Gibson, Linn, Sheridan; Research Assistant Professor Chapitis.

Maine Medical Center: Professor Meeber; Clinical Professor Boyce (Chief), Kent, Miller, Youngs; Clinical Associate Professors Bennett, McCrann, Zerner; Clinical Assistant Professors Alexander, Baldwin, Doil, Ernst, Lawsonson, McLean, Northrup, Wilkus; Clinical Instructor Penn.

Basic Science Core

Our clinical faculty, in association with the basic science faculty, present appropriate, clinically-oriented material in physiology, anatomy, pathology, human sexuality, and the Basic Clerkship.

Clinical Science Core

The Clinical Core Program is presented over a period of eight weeks and includes clinical experience in ambulatory and inpatient obstetrics and gynecology. During the first week of each rotation, an introductory lecture series is given reviewing aspects of basic science and clinical care necessary for an understanding of the specialty prior to patient contact. Students are instructed in sterile technique and conduct necessary for the delivery and operating areas.

The technique of history-taking and the physical examination of the female is reviewed. We utilize the facilities of the Medical Center Hospital of Vermont, Maine Medical Center, and the Champlain Valley Physicians’ Hospital. Clinical experiences are complemented by teaching rounds, resident seminars, and weekly conferences. In addition, the fundamentals of female reproduction, contraception, physiology, pathology, and the management of problems are taught by problem solving through the use of clinical material and periodic audit by assigned faculty advisors.

We feel that it is important to expose each medical student to the process of pregnancy and birth and to ensure an understanding of reproductive physiology and its implications in medicine and society. Students are provided with opportunities to follow selected patients with normal pregnancies through antepartum care, delivery, and postpartum recovery.

At the end of this clinical rotation, it is expected that in addition to being able to take a general medical history and perform a general physical examination, students will be able to diagnose pregnancy, examine the breasts, pelvis, and rectum to detect changes from the normal, and will have acquired the necessary skill to perform simple diagnostic tests such as the collection of material for cytologic smear and for the detection of genito-urinary infection.

Senior Selective Program

For students interested in pursuing a career in obstetrics and gynecology, we recommend a broad elective curriculum including general medicine and surgery. In addition, selected faculty members will serve in the role of advisors. The department offers rotations in reproductive physiology, endocrinology-infertility, gynecologic oncology, maternal-fetal medicine, and general obstetrics and gynecology.
The Department of Orthopaedics and Rehabilitation

Professors Frymoyer, Johnson, Milhous, Moreland, Pope, Renstrom; Associate Professors Howe (Interim Chairperson), Mogan, Reuss; Assistant Professors Grobler, Haig, Hazard, Krag, Kristiansen, Nichols, Talley, Trevino; Research Professor Roth; Research Associate Professor Stokes; Research Associate Professor Wilder; Instructor Incavo; Clinical Professors Davis, Kuhlmann, Rust; Clinical Associate Professors Ford, Mahoney; Clinical Assistant Professors Blattspelier, Hillfrank, Lavalette.

Maine Medical Center: Professor B. McCann (Chief); Associate Professor E. McCann; Clinical Assistant Professors Barrett, Booth, Brown, Dowling, Martin, Moller, Southall.

Orthopaedics and Rehabilitation covers a broad field of medicine concerned with diseases, deformities, and injuries involving the neuromusculoskeletal system. We have as our primary responsibility the instruction of medical students, house staff, nurses, and physical therapists in the diagnosis, prevention, and management of problems specifically related to the musculoskeletal system. The faculty is involved in ongoing research programs, both basic and clinical, in the areas of arthritis, sports-related injuries, bone growth, spinal mechanics, scoliosis, low back pain, and mechanisms of fracture injury and healing. All faculty are involved in acute and chronic patient care. There is a fully-approved residency training program at the Medical Center Hospital of Vermont for 12 residents in children and adult orthopaedics as well as trauma and rehabilitation.

Basic Science Core

Our staff and residents participate in the teaching of medical students in all four years of the curriculum, including the teaching of anatomy during the first year. Lectures are given in the Basic Clerkship in physical diagnosis of musculoskeletal disease and deformity.

Clinical Science Core

Students may elect two weeks of orthopaedic surgery during the surgical segment of the Clinical Science Core. This elective provides both didactic instruction and the opportunity to examine orthopaedic inpatients and participate in their treatment. Students attend the orthopaedic clinics and have regular assignments in the care of patients in the emergency room and are encouraged to participate in the operating theatre.

Senior Selective Program

Orthopaedics and Rehabilitation electives are open to interested students. For students with a surgical career goal, we offer a one-month elective where there is opportunity to be more intensively involved in the management of both the in- and outpatient orthopaedics patient, as well as to assist members of the operating team.

For students interested in the broad field of rehabilitation, we offer a program which includes research and extensive inpatient and outpatient experience in all aspects of neuromusculoskeletal disease. Students who do not have an orthopaedic career goal may choose a senior elective in office orthopaedics or rehabilitation.
The Department of Pathology

Professors Bradley, Clemmons, Craighead (Chairperson), Howard, Korson, Luginbuhl, Trainer, Winn; Associate Professors Bovill, Hardin, Lee, MacPherson, Mossman, Tindle; Assistant Professors Christadoss, Gibbs, Heintz, Huber, Krawisz, Leslie, Pendlebury, Sharpe, Tracy, Waters; Clinical Associate Professor E. McQuillen; Clinical Assistant Professors Lunde, Morrow, Stanley; Research Associate Professor Walters; Research Assistant Professor Van Houten; Adjunct Associate Professor Solomon.

Maine Medical Center: Professors Nishiyama, Pusch; Clinical Associate Professors Fanning, Stocks, Taxiarchis; Clinical Assistant Professors Luke, Porensky.

The responsibilities of our faculty include teaching, research, and the practice of both anatomic and clinical pathology in the affiliated teaching hospitals. The diversity of interest and variety of responsibilities within the staff as represented by these activities create an ideal atmosphere for the introduction of medical and graduate students and postdoctoral trainees to the study of disease in all of its manifestations.

Basic Science Core

The major course in Pathology is presented as a part of the Basic Science Core and gives a concentrated yet comprehensive view of disease in sufficient depth to prepare students adequately for subsequent clinical studies. Fundamental principles are emphasized and structural, functional, and clinical correlations are stressed.

Although the organization of the course involves the traditional division into general and special pathology, the emphasis is considerably modified. Pathophysiologial correlations are stressed. The teaching format varies from formal lectures to small informal discussion groups. Students are encouraged and assisted in developing for themselves a pattern of self-education. Extensive use is made of clinical case studies, slides, gross material (both fresh and preserved), and visual aids.

Clinical Science Core

During the Clinical Science Core, we cooperate with other departments in providing instruction by collaborating on and presenting departmental and specialty conferences, clinical pathological conferences, and consultation on clinical problems.

Advanced Basic Science Core

During this period, we present instruction in clinical pathology designed to acquaint students with laboratory medicine, including the tests available in the clinical laboratory, the value and limitations on these tests, and the interpretation of results. Emphasis is placed on the clinical application of laboratory data and the correlation of this information with other clinical findings.

Senior Selective Program

Elective courses in pathology provide in-depth instruction in selected areas. For those students particularly interested in pathology, there is an opportunity for greater exposure to the field while continuing their in-breadth education as physicians.

Combined College of Medicine and Graduate College Program

Medical students are accepted into our graduate programs for the purpose of obtaining the M.S. or Ph.D. degree in conjunction with the M.D. degree. These students are enrolled in the Graduate College for one or more years to pursue research. Customarily, they matriculate in those courses that are not normally included within the medical program of study. However, course work from the medical school curriculum is applicable to the requirements of the Graduate College. The advanced degrees can be obtained concomitantly with the M.D. degree or at some other time.

Consult the catalogue of the Graduate College for additional information. Address specific questions to Chairperson, Department of Pathology, University of Vermont, Given Building, Burlington, Vermont 05405.
The Department of Pediatrics

Professors Albertini, Dickerman, Levy, Lucey, McKay, Phillips (Chairperson); Associate Professors Copeland, Emery, Guillot, Horbar, Young; Assistant Professors Allen, Browne, Cole, Colletti, Davis, Frankowski, Guttmacher, Hubbell, Soll, Wasserman, Yeager; Clinical Professors Bergner, Gentry, McKee, Narkewicz, Stackpole, Schwartz; Clinical Associate Professors Bates, Clewley, Coffin, Hodgkin, Land, Murray; Clinical Assistant Professors Abramson, Avery, Duncan, Gerson, Hagan, Hassler, Heath, Holmes, Kus, Leong, Stifler, Wright; Clinical Instructors Baker, Brakeley, Chiappinelli, Costello, Ellerson, Elstner, Hessman, Long, Milne, Moseley, Peters, Ryan, Tanner, Trumper, Wing, Wolk, Yates; Research Associate Professor Walters.

Maine Medical Center: Professors Dyment (Chief), Philip; Clinical Professor Hallett; Clinical Associate Professors Allen, Berkovich, Haddow, Mattheus, McFaul, Page; Clinical Assistant Professors Barron, Bauer, Blattner, Brewster, Burden, Carnes, Chilmonzyk, Dransfield, Faucette, Fowler, Goodrich, Hofmann, Kessler, Losey, Lynch, Mann, Megathlin, Miller, Morrow, Rioux, Talbot, White, Wilkinson, Wilkoff, Williams; Clinical Instructors Cannon, Foster, Hackford, Lockwood, Osborne, Savadove, White.

Carol F. Phillips, M.D., Chairperson

Clinical Science Core

We offer a two-month clinical clerkship at either the Maine Medical Center or the Medical Center Hospital of Vermont. Students spend one month participating actively in the care of inpatients and another month in ambulatory patient care activities. Daily teaching rounds are held on the inpatient services. The ambulatory care experience includes two weeks in the office of a practicing pediatrician and two weeks of clinics. Seminars on basic pediatric subjects are held four days a week throughout the rotation.

Advanced Basic Science Core

Our faculty is responsible for the course in Medical Genetics, the objectives of which are to stimulate interest in the genetic aspects of medicine and to provide a framework upon which further genetic learning may be built. Chromosomal genetics, multifactorial genetics, population genetics, dysmorphology, teratology, horizons in the application of genetic knowledge in medicine, and principles of genetic counseling are covered, as well as the application of traditional Mendelian principles to humans and human diseases.

Senior Selective Program

We encourage students interested in a career in pediatrics to obtain a broad background in medicine during their SSP. An acting internship in pediatrics is encouraged; an ambulatory pediatric experience and a neonatology rotation would also be useful. Nonpediatric electives such as emergency room, radiology, and general medicine would provide good balance. We offer additional rotations in child development, foreign pediatrics, hospital pediatrics, neonatology, genetics and dysmorphology, sports medicine, cardiology, endocrinology, gastroenterology, and pediatric research.

In our department, students receive a grounding in pediatrics which will enable them to handle children successfully in whatever branch of medicine is eventually practiced. Particular emphasis is put on doctor-child-parent relationships.

We also take the responsibility for pediatric training of house staff at the Medical Center Hospital of Vermont.
The Department of Pharmacology

Professors J. Bevan (Chairperson), R. Bevan, Jaffe, McCormack, Tritton; Associate Professors Hacker, Rat, Robbins, Scott, Stewart; Assistant Professors Brayden, Nelson, Roberts, Shreeve; Research Assistant Professors Bigelow, Borman, Laher; Research Associates Bhushan, Eckhardt; Visiting Professors Maxwell, Standen; Visiting Assistant Professor Kovacs.

Basic Science Core
The pharmacology course for medical students is taught during the first period of the second year. By means of lectures and conferences, the course surveys the principal classes of therapeutic agents and stresses the basic principles of pharmacodynamics and drug action. These principles are reexamined from a clinical perspective utilizing appropriate studies.

Advanced Basic Science Core
Our faculty is responsible for a lecture course in clinical pharmacology. Emphasis is placed on the pharmacokinetics of drugs in humans, how changes in age, presence of disease, and interaction with other drugs alter pharmacokinetics, and what these alterations may portend for successful therapy or to the emergence of drug toxicity.

Combined College of Medicine and Graduate College Program
We offer Ph.D. and M.S. programs that can be pursued during enrollment in the College of Medicine. The general requirements for entrance into, and completion of, such combined degree programs are summarized in the general descriptive paragraph (p. 10). Specific departmental requirements for the Ph.D. degree include courses in medicinal chemistry, biometrics, and statistics as well as supporting courses in biochemistry, physiology, and neuroscience.

Research interests of our staff include: (1) Biochemical pharmacology, toxicology, and medicinal chemistry of experimental and established anticancer drugs. Classes of drugs investigated include complex quinones, platinum complexes, and heterocyclic analogues of normal metabolites. Members of the research group investigate drug modulation of metastasis and of immunological function. A strong interaction exists with scientists in the Department of Chemistry who synthesize new anticancer drugs. (2) Pharmacology and structure—utilizing light, scanning, and transmission electron microscopy of the developing and mature vascular system and its innervation. We place special emphasis on synaptic function and new transmitters. There is interest in the derangements of blood vessels in disease states such as hypertension, stroke, and spasm, and the modification of these changes by therapeutically useful drugs. (3) Comparative studies on folate-related metabolism and phospholipid synthetic pathways in filarial parasitic nematodes and their mammalian hosts. The objective is the identification of differences between parasite and host that could be exploited with appropriately designed selective inhibitors. (4) Understanding calcium transport in single smooth muscle cells using bilayer, patch-clamp, and optical techniques. (5) Peptidergic innervation and transmitter interactions in blood vessels; electrophysiological and mechanical properties of vascular smooth muscle; hypertension, stroke, and vasospasm.

Consult the catalogue of the Graduate College for additional information. Address specific questions to Chairperson, Department of Pharmacology, University of Vermont, Given Building, Burlington, Vermont 05405.
The Department of Physiology and Biophysics

Professors Alpert (Chairperson), Gibbons, Hendley, Low, McCreery; Associate Professors Evans, Halpern, Hamrell, McLaughlin, Patlak, Webb; Assistant Professors Haeberle, Osol, Periasamy, Warshaw; Research Associate Professors Maddox, Maughan, Mulieri, Stirewalt; Research Assistant Professors Mitchell, Woodcock-Mitchell; Research Associate Blanchard; Visiting Assistant Professors Hasenfuss, Johnson. Norman R. Alpert, Ph.D., Chairperson

Basic Science Core

MEDICAL PHYSIOLOGY AND BIOPHYSICS. Physiology and Biophysics is taught as a science to first-year medical students in the second and third trimester emphasizing the broad physical, chemical, and biological principles underlying the function of mammalian organs, tissues, and subcellular systems. We place special emphasis on those fundamental principles important for understanding clinical medicine and research. The core course consisting of 114 hours is made up of lectures, demonstrations, workshops, and conferences.

NEUROSCIENCE. The core course in Neuroscience outlines morphological and physiological features of the neuron and the central nervous system. The functional significance of structure is emphasized throughout in order to prepare students for intelligent diagnosis and localization of neural disorders in the clinical sciences. The course consists of 114 hours of lectures, demonstrations, conferences, and laboratories and is the joint responsibility of the Departments of Anatomy and Neurobiology and Physiology and Biophysics.

Elective Program

We have a vigorous graduate and research program. Medical students may participate in advanced seminars as well as in various research projects. Contact the Chairperson for details regarding formal participation in this program.

Combined Medical College and Graduate College Degree Program

We offer a Ph.D. degree emphasizing the development of independent research abilities. Students accepted into the M.D.-Ph.D. program join with other Ph.D. students working in a stimulating research environment. Our 12 active laboratory groups have special strengths in the areas of membrane biophysics, cardiac, skeletal, and smooth muscle biochemistry; molecular biology; mechanics and thermodynamics; pulmonary biology; and CNS biochemistry. Substantial collaborations exist between laboratories within our department and with other basic science and clinical investigators. Degree requirements include, in addition to those for the M.D., an advanced knowledge of statistics, biomedical instrumentation, and cellular biophysics. Students participate in an ongoing Comprehensive Seminar Series exploring areas of rapidly-developing knowledge in physiology and biophysics and carry out independent research resulting in a thesis. For further details, see the catalogue of the Graduate College or contact Chairperson, Department of Physiology and Biophysics, University of Vermont, Given Building, Burlington, Vermont 05405.
Our basic challenge is to develop those attitudes, skills, and knowledge which will enable all health professionals to observe, understand, and respond appropriately to the needs of those for whom they have professional responsibility. In carrying out this mission, our major priority is to train medical students, physicians, and other practicing health professionals in their care of patients. Along with carrying out this basic mission is the maintenance of clinical care programs appropriate to our educational goals and basic and applied research in neuroscience.

A residency program is approved for four years of training by the Council on Medical Education of the American Medical Association. Residents usually rotate through several services of the Medical Center Hospital of Vermont, the Vermont State Hospital, and other regional facilities. In addition to the regular clinical teaching and conferences in the hospitals, we provide a robust academic program of seminars and individual supervision.

Basic Science Core

HUMAN BEHAVIOR. Required for all first-year students during the fall semester, this course presents an introduction to basic concepts of psychology and sociology as they relate to illness experience and behavior. The course is organized around the concept of developmental stages and, in addition to teaching such basic concepts as sick role, coping styles, patient-physician relationships, illustrates the impact of illnesses on the various departmental stages. Twenty faculty members from various departments participate as instructors. The teaching format is organized around small group discussion with an emphasis on patient interviews to demonstrate concepts. No examinations are given, and grading is on a pass-fail basis. Participation in small groups is a requirement for completion of the course.

Clinical Science Core

The core course provides a broad exposure to concepts of behavior and treatment. The eight-week rotation consists of various learning activities, including seminars, case and topical presentations, as well as supervised patient care assignments.

The core rotation has several emphases: an understanding of the conceptual relationship between neuroscience and the social sciences in clinical psychiatry; knowledge of psychopathology and psychiatric syndromes; proficiency in interviewing; familiarity with the application of psychiatric knowledge and skills within the general medical setting; and psychopharmacology.

Senior Selective Program

We offer electives on most of our clinical services as well as in neuroscience research. The elective on the Consultation Liaison Service would be useful for students planning a clinical career; and an elective on the Crisis Service
would be useful for students who plan to enter a primary care specialty. Students considering a career in neurology might find inpatient psychiatry to be instructive. Students planning a career in psychiatry should consider taking at least one of the above electives but should be aware that a proper medical foundation for a future career in psychiatry includes at least one acting internship in medicine as well as an acting internship in neurology. Subspecialty rotations in such areas as endocrinology and cardiology are also particularly useful for persons considering a psychiatric career. Students selecting a member of the psychiatry department or a member of the neurology department as an advisor will be expected to complete a scholarly project based on clinical or research experience to be selected and developed in collaboration with the faculty advisor. At the completion of the scholarly project, students will be expected to present a paper on their project to a joint meeting of the faculty of the neurology and psychiatry departments. A prize is awarded for the best scholarly project presentation.
The Department of Radiology

Professors Clements, Dietrich, Heilman, Hunziker, Kupic, Mindell, Tampas (Chairperson); Associate Professors Barth, Dorwart, Fairbank, Rakovits, Roe, Roland; Assistant Professors Alsofrom, Brown, Goodwin, Holm, McDay, Najarian, Purnell, Sturtevant, Sussman, Swift, Thompson; Clinical Assistant Professor Koerner.

Maine Medical Center: Clinical Associate Professors Briggs (Chief), Deming, Gilbert, Hanemann, Phelps, Salvo, Ware; Clinical Assistant Professors Abrahams, Bittermann, Blinick, Grimes, Isler, Luke, Packard, Pezzuti, Seitz; Clinical Instructors Amberson, Applebaum.

John P. Tampas, M.D., Chairperson

We provide special services to local teaching hospitals and, in addition, provide instruction to medical students, residents, nurses, as well as students from the School of Allied Health Sciences in nuclear and therapeutic technology and from Champlain College in radiologic technology.

Twenty-one staff members and two physicists work full time in radiology at the Medical Center Hospital of Vermont and 17 radiologists work full time in the Maine Medical Center.

The teaching of radiology extends through the entire four years. Lecture and demonstration of the normal roentgen anatomy are given during the first year in conjunction with the Department of Anatomy and Neurobiology. In addition, orientation sessions are provided for the first-year students as part of the Basic Clerkship. During the Clinical Core, students are instructed in the principles of diagnostic and therapeutic radiology with numerous interdepartmental conferences held with the various clinical departments. An elective in radiology and its various subspecialties is offered during the Senior Selective Program.

A fully-accredited residency program in diagnostic radiology is available and utilizes the facilities of the College of Medicine and cooperating hospitals. Our staff participates in nearly all of the teaching conferences of the College of Medicine.
In addition to developing and implementing the surgical curriculum in the College of Medicine, we are responsible for the training of general and specialty surgical residents at the Medical Center Hospital of Vermont. The Department consists of the following Sections: Anesthesiology; Dentistry, Oral, and Maxillofacial Surgery; Neurological Surgery; Ophthalmology; Otolaryngology; Pediatric Surgery; Plastic and Reconstructive Surgery; Thoracic and Cardiac Surgery; and Urology.

**Basic Science Core**

Our staff participates in the multidiscipline Basic Clerkship.

**Clinical Science Core**

The 12-week core program in clinical surgery emphasizes the hospital care of patients with surgical illnesses. Students assigned to a surgical floor work as members of a team that includes the resident staff and attending surgeons. Students are responsible for the initial history and physical examination of assigned patients and participate in all aspects of patient care, including operative procedures. Continuity of care is stressed. Instruction in general surgery is at the bedside and in clinical conferences; didactic material is presented by the staffs of general surgery and the specialty sections. Students take night and weekend call with the members of their house staff team.

**Senior Selective Program**

We offer a major program to students seeking a career in general surgery or a surgical specialty. Under the guidance of an advisor from the surgical faculty, students elect from a variety of programs in surgery or in other departments within the College, including the basic science departments. Students are encouraged to take elective rotations at hospitals elsewhere. An opportunity to participate in on-going research projects within the Department is available as well as an opportunity for anatomical dissection. A research project is required to be presented at the end of the year.

**Section of Anesthesiology**

Professor Mazuzan (Chairperson); Associate Professors J. Abajian, Bell, Burfoot, Chase, Deane, D. Johnson, Kristen, F. Perkins, Shimezaki; Assistant Professors Elliott, Kreutz, D. Perkins, Schapiro, Shapira, Smail, Stern, Viani, Whalen.

**Maine Medical Center**

Professor Klopp (Chairperson); Clinical Professor Baldini; Clinical Associate Professors Fritz, Riechel, Sewall, Villandry, N. Wilson; Clinical Assistant Professors Hayden, VerLee; Clinical Instructors Hamel, C. Higgins, Siegle.

Clinical Core instruction is confined to intensive, small-group, operating room didactic and practical experience. A one-month elective program for Senior Selective students is available. This time may be spent on intensive respiratory care with the respiratory therapy group. Weekly anesthesia conferences are open to students. The resident training program consists of the appointment of nine residents for two, three, or four years.
Section of Thoracic and Cardiac Surgery
Professor Coffin (Chairperson); Assistant Professors Iltleman, Jackson, Leavitt.

Maine Medical Center: Clinical Professor Drake; Clinical Associate Professor Hiebert; Clinical Assistant Professors Donegan, Lutes, Morton, White.

The thoracic surgeon is a specialist in disease within the chest who also performs surgery. Our teaching program emphasizes the dynamic interplay of medical sciences and humanities in achieving optimal patient care. Sponsored formal meetings include a weekly combined medical-surgical conference, a daily thoracic X-ray review, monthly Thoracic Surgical Pathology Conferences, Cardiac Pathology Conference, Esophageal Disease Conference, combined conferences with the cardiology and pulmonary units in the Department of Medicine, and cardiac surgery workshops. Formal lectures are kept to a minimum, with preferential teaching on rounds, “spot seminars,” and student tutorials. Students participate actively in work-up and presentation of patients in surgery (including open-heart) and in postoperative management.

Diagnostic activities include the more sophisticated assessment of coronary and other heart disease, as well as conventional procedures in thoracic and cardiovascular problems. Techniques in diagnosis and in disease evaluation are under constant research and development. The clinical program includes all phases of thoracic and cardiovascular disease in the Medical Center Hospital of Vermont.

Operative programs include cardiopulmonary by-pass for open-heart surgery and conventional thoracic procedures. Postoperative care involves the required attention to customary problems and, in addition, intensive postoperative management of serious problems, including Special Care Unit.

Experimental and clinical investigative problems relate to open-heart surgery postpump syndromes and postoperative assessment of cardiac and of pulmonary function after surgery. A broad program in coronary surgery, integrated with other departments within the medical school is under development. Summer student fellowships are occasionally available in all programs.

Section of Neurological Surgery
Professor Gross (Chairman); Associate Professors Flanagan, Wald; Assistant Professor Penar.

Maine Medical Center: Clinical Assistant Professor Brinkman, Klein, Mehalic, D. Wilson.

We offer instruction at all undergraduate levels. Our faculty participate in discussions regarding basic mechanisms involving the nervous system. Core surgical students may elect a rotation on neurosurgery and senior majors often choose to spend a month on the service.

A six-year residency is approved for physicians who have had basic surgical and neurological experience.

Our division serves as a regional center for consultation and for graduate medical education.

Section of Ophthalmology
Associate Professor Aitken (Chairperson); Clinical Associate Professors Guiduli, Kleh, Assistant Professors Irwin, Vrabec; Clinical Assistant Professors Chase, Lawlor.

We participate in the Basic Clerkship, in the Clinical Core Program of the Department of Surgery, and in an elective course in the Senior Selective Program. These courses involve inter disciplinary arrangements with other departments and other institutions in the case of the Senior Selective Program, as needed.

Section of Dentistry, Oral, and Maxillofacial Surgery
Clinical Professor Farnham (Chairperson); Clinical Associate Professor Bowen; Clinical Assistant Professors Connolly, Danielson, Levi, Molind, Reed, Watson; Clinical Instructors Culver, Lampert, Pane, Ratkus, Richardson, Shuman, Sullivan, Towne.

We offer lectures on oral medicine, oral pathology, and oral diagnosis to medical students. Demonstration and participation in teaching regional and local anesthesia of the head and neck are made available at the Dental Clinic.

We offer an approved general practice residency in dentistry and participate in house staff education.
Section of Otolaryngology

Associate Professor Sofferman (Chairperson); Assistant Professors DeLozier, Hubbell.

Maine Medical Center: Clinical Associate Professors Knowles, Lovely; Clinical Assistant Professors Adams, Maxwell, Roediger.

We participate in the Basic Clerkship portion of the Basic Science Core.

During the Clinical Science Core, didactic lectures are given as well as two-week clinical clerkship rotations which include experience in the otolaryngology offices as well as surgical and inpatient ward exposure.

Senior students rotate through the Section in programs individualized to their needs.

We offer an approved residency in otolaryngology and participate in the training of house staff from other residency programs.

Our educational program is structured and multifaceted. Four conferences are held on a weekly basis and serve as a central core of the teaching program. A basic science lecture is conducted within the Section and lectures are delivered by attending and resident staff as well as outside guest speakers in related fields. A patient conference presents challenging clinical problems. Hospital walk rounds are conducted once weekly to discuss inpatient problems at the bedside. Several clinical conferences with the Otolaryngology Division of the Hitchcock Clinic at Dartmouth are conducted throughout the year and allow for exchange of diagnostic and treatment concepts. Viewing of pre-taped didactic subject matter is always available to the student and resident. Structured anatomical dissections of the head and neck and temporal bone provide practical exposure to surgical areas.

Section of Pediatric Surgery

Assistant Professor Browne (Chairperson).

Maine Medical Center: Clinical Assistant Professor Curci.

We aim to provide optimum surgical care for children in the units of the Medical Center Hospital of Vermont. A consultative service for other departments, practicing physicians, and the State Department of Health has been developed.

Our teaching program complements the general surgical courses with didactic sessions during the introduction to the core surgical rotation. Students may take an elective on Pediatric Surgery during their Clinical Core.

Pediatric surgical rounds are made daily on the pediatric floor. The major teaching contact with Clinical Core students is during their Pediatric rotation. Pediatric Surgical Conference is held weekly with multidiscipline discussion of pediatric surgical problems. Students are encouraged to present their own cases and to do brief reviews of the literature.

During the Senior Selective Program, students may take a one-month elective on Pediatric Surgery or do research on pediatric surgical problems.

Section of Plastic and Reconstructive Surgery

Assistant Professors Leitner, Linton (Chairperson); Clinical Assistant Professor Wheeler.

Maine Medical Center: Clinical Assistant Professors Labelle, Waterhouse.

We participate in the Clinical Core and Basic Clerkship in the areas of wound healing, soft tissue management, and suture technique. Current research includes basic microvascular technique. Two-week electives are offered in basic plastic surgical problems which include office evaluation and hospital care.

Section of Urology

Professor Leadbetter (Chairperson); Associate Professor Morrisseau; Clinical Associate Professor Vinson.

Maine Medical Center: Clinical Assistant Professors Broad- dus, Dyhrberg, Pringle, Robinson, Timothy.

Didactic lectures are largely supplemented by tutorial sessions with smaller groups and by having elective time on the Urology Service to work up urological patients and to be involved with treatment and surgery. The lectures and sessions explore the urologic diagnoses and therapy of the various problems involved.

We offer a three-year approved urological residency program with clinical research material gathered from the Urology Service, the teaching hospital, and the College of Medicine.
THE BOARD OF TRUSTEES

Lattie Finch Coor, A.B., M.A., Ph.D., President
Madeleine May Kunin, B.A., M.A., Governor

Term Ending March 1990

Ray Wallace Allen, B.S.
Frank Anderson Balch
Robert F. Cioffi
Robert Allan Paul, A.B., J.D.

Term Ending March 1991

John Charles Candon, A.B., J.D.
Janice Teresa Coflesky, B.A., M.S., Ph.D.
Althea P. Kroger, B.A., M.A.
Helen Scheidecker Riehle, B.S.
Robert Henry Wood, Jr., B.S.

Term Ending March 1992

Benjamin Glasser Aibel, B.A.
Jack E. Burke, B.S.
Eugene Wallace Kalkin, B.A.

Term Ending March 1993

Leon Francis Babbie, B.A., M.Ed.
John Henry Bloomer, B.A., J.D.
Thomas Clark Spater, M.B.A.
Stevenson Haig Waltien, Jr., B.A.

Term Ending March 1994

Helen Dalton Collins, B.A., J.D.
Luther Frederick Hackett, B.A.
Alan D. Overton, B.A., J.D.

Term Ending March 1995

Sean Patrick Campbell, B.S.
Bernard Ernest Parizo, B.S., M.A.
Ruth S. Stokes, B.A.
Sallie T. Soule
OFFICERS OF ADMINISTRATION

Lattie F. Coor, Ph.D. (1976)
Ben R. Forsyth, M.D. (1966)
John W. Hennessey, Jr., Ph.D. (1987)
Ronald D. Suitor, Ph.D. (1988)
Takamaru Ashikaga, Ph.D. (1973)
Lynne A. Bond, Ph.D. (1976)
Richard G. Brandenburg, Ph.D. (1987)
Narbeth R. Emmanuel, Ph.D. (1981)
Lawrence K. Forcier, Ph.D. (1977)
David C. Howell, Ph.D. (1988)
William H. Luginbuhl, M.D. (1960)
H. Lawrence McCrorey, Ph.D. (1966)
Donald L. McLean, Ph.D. (1987)
James D. Rath, Ph.D. (1989)

OFFICERS OF ADMINISTRATION
College of Medicine

William H. Luginbuhl, M.D., Dean
Robert B. Low, Ph.D., Associate Dean for Research
Carol F. Phillips, M.D., Associate Dean for Academic Affairs
Roger H. Secker-Walker, M.R.C.P., Associate Dean for Continuing Medical Education
Margaret S. Sproul, M.D., Associate Dean for Admissions and Student Affairs
David M. Tormey, M.D., Associate Dean, Students Affairs and Alumni Relations
Committee on Admissions
Dr. Marga Sproul, Chair
Dr. Tania Bertsch
Dr. Cynthia Cole
Dr. Jonathan Hayden
Dr. Diane Magrane
Dr. William Pendlebury
Dr. Thomas Peterson
Dr. Betsy Sussman
Dr. Peter Swift
Dr. David Tormey
Dr. Brenda Waters
Dr. Ragon Willmuth
Dr. George Wolf

Committee on Advancement
Dr. David Tormey, Co-Chair
Dr. Marga Sproul, Co-Chair
Dr. David Babbott
Ms. Nancy Cornish, ’89
Dr. John Davis
Ms. Mary Dill, ’90
Dr. Jonathan Disin
Dr. Burt Hamrell
Dr. Nicholas Hardin
Dr. Costas Lambrew
Dr. Diane Magrane
Mr. Stephen Mason, ’91
Dr. Carol Phillips
Dr. Patricia Powers
Dr. Ernest Reit
Dr. Paul Ruoff
Dr. Warren Schaefler
Dr. Norman Sturtevant
Dr. John Thanassi
Dr. Saul Trevino

Committee on Faculty Standards
Dr. Walter Gibbons, Chair
Dr. Thomas Achenbach
Dr. Richard Branda
Dr. Richard Heilman
Dr. Philip Howard
Dr. John McCormack
Dr. Joseph Wells

Committee on Graduate Education
Dr. John Evans, Chair
Dr. Joseph Brayden
Dr. Carson Cornbrooks
Dr. Paula Fives-Taylor
Dr. Susan Rittenhouse

Committee on Graduate Medical Education
Dr. John Mazuzan, Chair
Dr. E. Stanley Emery III
Dr. Richard Gamelli
Dr. Edward Horton
Dr. Thomas Kriistiansen
Dr. Bruce MacPherson
Mr. John O’Donnell
Dr. John Saia
Dr. Norman Sturtevant
Dr. Margaret Thompson

Committee on Instructional Improvement
Dr. Carol Phillips, Chair
Dr. Nicholas Hardin
Dr. Robert Hillman
Ms. Jane Hitti, ’89
Dr. Diane Magrane
Mr. Michael O’Reilly ’90
Dr. Dennis Plante
Mr. Alan Stern, ’91
Dr. Thomas Tritton

Microscope Committee
Dr. Nicholas Hardin, Chair
Dr. Steven Freedman
Dr. Thomas Moehring

Committee on Postgraduate Medical Education
Dr. Roger Secker-Walker, Chair
Dr. Jerome Belinson
Dr. John Bevan
Dr. Walter Bradley
Ms. Diane Carbonneau
Dr. David Fassler
Ms. Maureen Hanagan
Dr. Martin Krag
Dr. Edward Krawit
Dr. Kenneth Lee
Dr. Jerold Lucey
Dr. Linda Roe
Ms. Dorothy Senghas
Dr. Robert Sofferman
Dr. William Wadland

Committee on Research
Dr. Thomas Tritton, Chair
Dr. Sheldon Cooper
Dr. Kenneth Copeland
Dr. William Halpern
Mr. Joseph McLaughlin (ex officio)
Dr. Thomas Moehring
Dr. Subramaniam Sriram
Dr. Paula Tracy

Division of Health Sciences Library Committee
Dr. Joseph Patlak, Chair
Mr. David Brunelle, ’91
Ms. Diane Clements
Ms. Nancy Eaton (ex officio)
Dr. William Lugninbuhl (ex officio)
Ms. Susan Mercier
Ms. Ellen Nagle (ex officio)
Dr. Saul Trevino
INDEX OF FACULTY/EMERITI

EMERITI

John Abajian, Jr., M.D. [1939]. Professor of Surgery (Anesthesiology).
Sinclair Tousey Allen, Jr., M.D. [1948]. Professor of Medicine.
Ellsworth Lyman Amidon, M.D. [1933]. Professor of Medicine.
Richard Walker Amidon, M.D. [1949]. Professor of Medicine.
Bernard Benjamin Barney, M.D. [1955]. Associate Professor of Plastic Surgery.
John Hardesty Bland, M.D. [1949]. Professor of Medicine.
Dallas Richard Boushey [1937]. Assistant Professor of Anatomy and Neurobiology.
Alfred Hayes Chambers, Ph.D. [1948]. Professor of Physiology.
Raymond Madiford Peardon Donaghy, M.D. [1946]. Professor of Neurosurgery.
Fred William Dunihue, Ph.D. [1936]. Professor of Anatomy.
Oliver Rolfe Easuman, M.D. [1948]. Associate Professor of Obstetrics and Gynecology.
Edward Esau Friedman, M.D. [1955]. Professor of Family Practice.
Fred W. Gallagher, Ph.D. [1944]. Professor of Microbiology.
Ellen Margaret Gillies, B.L.S. [1962]. Library Professor.
Nathaniel Gould, M.D. [1976]. Associate Professor of Orthopaedic Surgery.
Carleton Raymond Haines [1950]. Associate Professor of Surgery.
John Sherwood Hanson, M.D. [1958]. Professor of Medicine.
Charles Sneau Houston, M.D. [1966]. Professor of Epidemiology and Environmental Health.
Hans Rosenstock Huessy, M.D. [1964]. Professor of Psychiatry.
Jay Edward Keller, M.D. [1950]. Associate Professor of Surgery.
Merton Philip Lamden, Ph.D. [1947]. Professor of Biochemistry.
Eugene Lepeshkin, M.D. [1946]. Professor of Medicine.
Donald Burton Melville, Ph.D. [1948]. Professor of Biochemistry.
Donald Barker Miller, Sr., M.D. [1951]. Associate Professor of Surgery (Thoracic and Cardiac).
Charles Alan Phillips, M.D. [1966]. Professor of Medicine.
George Adam Schumacher, M.D. [1950]. Professor of Neurology.
Ethan Allen Sims, M.D. [1950]. Professor of Medicine.
Ernest Stark, M.D. [1945]. Professor of Pathology and Oncology.
Warren R. Stonebringer, Ph.D. [1967]. Professor of Medical Microbiology.
Walter Alva Stulz, Ph.D. [1937]. Professor of Anatomy.
Christopher Marlowe Terrien, Sr., M.D. [1973]. Clinical Associate Professor of Medicine.
H. Carmer VanBuren, M.D. [1962]. Associate Professor of Medicine.
Lester Julian Wallman, M.D. [1946]. Professor of Neurosurgery.
Lelon Ashley Weaver, Jr., Ph.D. Associate Professor of Psychiatry.
Lawrence L. Weed, M.D. [1969]. Professor of Medicine.
George William Welsh, M.D. [1956]. Associate Professor of Medicine.
George Anthony Wolf, Jr., M.D. [1951]. Professor of Medicine.
William A. Woodruff, L.M.C.C. [1962]. Associate Professor of Psychiatry.
William Greenhill Young, M.D. [1949]. Associate Professor of Psychiatry.

Gary F. Alsdorf [1988]. B.S., 1975, Union College; M.D., 1979, Downstate Medical School. Assistant Professor of Radiology.

Francis M. Altman, Jr. [1984]. B.S., 1969, M.D., 1974, University of Pittsburgh. Assistant Professor of Medicine.


Frank Lusk Babbott, Jr. [1963]. B.S., 1947, Amherst College; M.D., 1951, New York University; M.P.H., 1953, Harvard University. Clinical Associate Professor of Medicine.


Martin Aloyius Barron, Jr. [1980]. B.S., 1951, St. Francis Xavier University; M.D., 1958, Tufts University. Clinical Assistant Professor of Pediatrics.


Peter Warren Lazell Beeken [1965]. B.S., 1954, Case Western Reserve University; M.D., 1959, University of Missouri. Clinical Assistant Professor of Pediatrics.


Peter M. Bates [1987]. B.S., 1973; M.D., 1977, University of Washington; Assistant Professor of Medicine.


Louise Theresa Bedard [1970]. R.N., 1951, DeGroesniand Hospital School of Nursing. Clinical Assistant Professor of Medicine.


Meredith A. Bennet [1985]. A.B., 1968, Wellesley College; M.D., 1972, Medical College of Pennsylvania. Clinical Assistant Professor of Surgery.


Peggy Louise Beyer [1982]. B.S., 1975, Valparaiso University; M.D., 1979, Mayo Medical School. Instructor of Family Practice.


James Charles Bigelow [1987]. B.S., 1979, University of Illinois; Ph.D., 1985, Indiana University. Research Assistant Professor of Pharmacology.


Carol Lou Blattspieler [1988]. R.T., 1974, University of Iowa; B.S.N., 1980, University of Vermont. Clinical Assistant Professor of Orthopaedic Rehabilitation.


Harry Amerman Bliss [1981]. A.B., 1941, Princeton University; M.D., 1944, Harvard University; M.P.H., 1974, University of Michigan. Clinical Assistant Professor of Medicine.

Alton Joseph Blow, Jr. [1983]. A.B., 1975, Cornell University; M.D., 1979, University of Vermont. Assistant Professor of Medicine.

David Lee Boedy [1979]. B.A., 1972, Wartburg College; M.S.W., 1974, Washington University. Clinical Assistant Professor of Medicine.


Meeting Facilities


Linda Sazan Borman [1982]. B.S., 1971, State University of New York at Stony Brook; Ph.D., 1978, University of Tennessee at Oak Ridge. Research Assistant Professor of Pharmacology.


Richard Emile Bouchard [1984]. B.S., 1974, Missouri State University. Clinical Associate Professor of Neurology.


Karen Marie Brass [1986]. B.A., 1980, University of Wisconsin. Assistant Professor of Anesthesiology.


William F. Braaksma [1982]. B.S., 1976, University of California. Assistant Professor of Pharmacology.


Samuel Barry Broaddus [1985]. M.D., 1977, University of Vermont. Clinical Assistant Professor of Surgery.


George Wilson Brooks [1953]. B.S., 1941, University of New Hampshire; M.D., 1944, University of Vermont. Clinical Professor of Psychiatry.


Lenore Margaret Buckley [1983]. B.S., 1973, Cornell University; M.D., 1977, University of Rochester. Assistant Professor of Medicine.


John Mackenzie Burke [1988]. A.B., 1975, Middlebury College; M.S., 1979, University of Vermont; Ph.D., 1983, Massachusetts Institute of Technology. Assistant Professor of Microbiology.

Stanley Livingston Burns, Jr. [1960]. A.B., 1951; M.D., 1955, University of Vermont. Professor of Medicine.


Robert Nolan Cain [1953]. B.S., 1943; M.D., 1945, University of Vermont. Associate Professor of Surgery.


Edgar Jacob Caldwell [1966]. B.S., 1954, University of New Hampshire; M.D., 1958, University of Vermont. Associate Professor of Medicine.

Jorge Calles Escandon [1983]. B.S., 1971, Centro Universitario Mexico; M.D., 1976, National University of Mexico. Assistant Professor of Medicine.


Martin J. Cannon [1953]. B.S., 1943; M.D., 1945, University of Vermont. Clinical Assistant Professor of Obstetrics and Gynecology.


William Phelps Carter, Jr. [1985]. B.S., 1968, Yale University; M.D., 1972, Tufts University. Clinical Assistant Professor of Surgery.


Christopher Russell Chase [1977]. B.A., 1970; M.D., 1974, University of Vermont. Associate Professor of Surgery.


Jen-Fu Chiu [1978]. B.S.C., 1964, Taipai Medical College; M.S.C., 1967, National Taiwan University; Ph.D., 1972, University of British Columbia. Professor of Biochemistry.

Premkumar Christodoss [1985]. M.B., B.S., 1977, Madras Medical College. Assistant Professor of Pathology.


William Robert Church [1984]. B.S., 1974, Oklahoma State University; Ph.D., University of Kansas. Research Assistant Professor of Biochemistry.


Elliot Danforth, Jr. [1970]. A.B., 1956, Dartmouth College; M.S., 1958, Ohio State University; M.D., 1962, Albany Medical College. Professor of Medicine.

Paul Albert Danielson [1978]. B.S., 1967, St. Lawrence University; D.M.D., 1971, Tufts University. Clinical Assistant Professor of Surgery.


Gerald Sundt Davis [1971]. B.S., 1966, Yale University; M.D., 1970, University of Virginia. Professor of Surgery.

John Herschel Davis [1968]. M.D., 1948, Western Reserve University. Professor of Surgery.

Philip Hovey Davis [1958]. B.S., 1950; M.D., 1953, University of Vermont. Clinical Professor of Orthopaedics and Rehabilitation.


Dennis Lee Desilvey [1984]. B.A., 1964, Yale University; M.D., 1968, Columbia University. Clinical Assistant Professor of Medicine.


Peter Anthony Dietrich [1971]. B.S., 1961, Yale University; M.D., 1965; Case Western Reserve University. Professor of Radiology.

Jonathan Dissin [1988]. B.S., 1970, Monmouth College; M.S., 1973, Medical College of Georgia; M.D., 1982, St. George’s University. Assistant Professor of Neurology.

Roy Vernon Ditchey [1985]. B.S., 1970, Stanford University; M.D., 1974, University of California at Irvine. Associate Professor of Medicine.


Emerson Hadley Drake [1982]. B.S., 1938, Yale University; M.D., 1941, Columbia University. Clinical Professor of Surgery.


Herbert Ashley Durfee, Jr. [1957]. B.S., 1948, Yale University; M.D., 1948, University of Vermont. Professor of Obstetrics and Gynecology.

John Stewart Dyhrberg [1984]. B.S., 1967, University of Maine; M.D., 1971, University of Nebraska. Clinical Assistant Professor of Surgery.


Yigal Haim Ehrlich [1980]. M.Sc., 1968, Tel Aviv University of Medicine; Ph.D., 1972, Weizmann Institute of Science. Associate Professor of Psychiatry.


John Richard Fitzgerald [1961]. B.S., 1951, St. Michael's College; M.D., 1955, University of Vermont. Clinical Assistant Professor of Medicine.


Paula M. Fives-Taylor [1972]. B.S., 1958, St. Thomas Aquinas University; M.S., 1965, Villanova University; Ph.D., 1973, University of Vermont. Professor of Microbiology.

Martin E. Flanagan [1962]. B.S., 1952, St. Michael's College; M.D., 1956, University of Vermont. Associate Professor of Surgery.


Bruce Joseph Fonda [1980]. B.S., 1972, St. Lawrence University; M.S., 1975, University of Vermont. Lecturer of Anatomy and Neurobiology.


Cynthia Jean Forehand [1987]. B.S., 1975, University of Nebraska; Ph.D., 1981, University of North Carolina. Assistant Professor of Anatomy and Neurobiology.

Ben Ralph Forysth [1966]. M.D., 1957, New York University. Professor of Medicine, Associate Professor of Microbiology.

Roger Sherman Foster, Jr. [1970]. A.B., 1957, Haverford College; M.D., 1961, Case Western Reserve University. Professor of Surgery.


Barbara Louise Frankowski [1985]. B.S., 1976, Fairfield University; M.D., 1980, Johns Hopkins University; M.S., 1985, University of Rochester. Assistant Professor of Pediatrics.


Steven Leslie Freedman [1964]. B.S., 1957, University of New Hampshire; Ph.D., 1962, Rutgers University. Associate Professor of Anatomy and Neurobiology.


Joseph Francis Hagan, Jr. [1979]. B.S., 1972, St. Bonaventure University; M.D., 1976, Georgetown University. Clinical Assistant Professor of Pediatrics.
Andrew John Haig [1968]. B.S., 1980, University of Wisconsin at Milwaukee; M.D., 1983, Medical College of Wisconsin. Assistant Professor of Orthopaedics and Rehabilitation.
Rowland Gibson Hazard [1981]. B.A., 1971, Harvard University; M.D., 1978, University of Vermont. Assistant Professor of Orthopaedics and Rehabilitation. Assistant Professor of Medicine.
Nicholas H. Heintz [1983]. B.A., 1971, College of the Holy Cross; M.S., 1977; Ph.D., 1979, University of Vermont. Assistant Professor of Pathology. Assistant Professor of Biochemistry.
Edith D. Henderson [1973]. A.B., 1948, Hunter College; M.S., 1950, Ohio State University; Ph.D., 1954, University of Illinois. Professor of Physiology and Biophysics. Professor of Psychiatry.

Donald Francis Hillman [1973]. A.B., 1964, Providence College; Ph.D., 1969, Harvard University. Associate Professor of Psychiatry.


John Russell Hughes [1985]. B.S., 1971, Millikin College; M.D., 1975, University of Massachusetts. Associate Professor of Psychiatry. Associate Professor of Family Practice.


Hirosi Ide [1988]. B.S., 1979; M.S., 1981; Ph.D., 1984, Kyoto University. Research Assistant Professor of Microbiology.


David Loren Johnson [1979]. B.S., 1970; M.S., 1972, University of Wisconsin; M.D., 1976, Medical College of Wisconsin. Associate Professor of Surgery.

Douglas Ian Johnson [1988]. B.S., 1978, Miami University; Ph.D., 1983, Purdue University. Assistant Professor of Microbiology.


Philip Conboy Kelleher [1963]. B.S., 1950; M.D., 1954, Geogreton University. Associate Professor of Medicine.


Alexander Keyssar [1971]. B.S., 1934, Sorbonne; M.D., 1939, University of Paris. Clinical Associate Professor of Medicine.


John Frederick King [1976]. B.A., 1970, Miami University; M.D., 1975, Ohio State University. Clinical Assistant Professor of Psychiatry.


Martin J. Koplewitz [1973]. B.S., 1948, Queens College; M.D., 1952, University of Vermont. Associate Professor of Surgery.


Yoke Wah Kow [1988]. B.S., 1976, Nanyang University; Ph.D., 1981, Brandeis University. Research Assistant Professor of Microbiology.

Martin Hans Krag [1981]. B.S., 1970, Stanford University; M.D., 1975, Yale University. Assistant Professor of Orthopedics and Rehabilitation.


Sriram Krishnaswamy [1984]. B.S., 1979; Ph.D., 1984, Syracuse University. Research Assistant Professor of Biochemistry.

Eva Adelheid Kristensen [1983]. B.S.C., 1968, University of Guelph; M.D., 1976, McMaster University. Associate Professor of Surgery.


Ismael Laher [1983]. B.Sc., 1978, University of London; M.Sc., 1980, University of British Columbia; Ph.D., 1983, Memorial University. Assistant Professor of Pharmacology.


Alan Bruce Langbud [1987]. B.S., 1976, Tufts University; M.D., 1980, Mount Sinai School of Medicine. Assistant Professor of Medicine.

Pamela Elizabeth Langelier [1983]. B.A., 1968, American University; M.A., 1972, California State University at Northridge; Ph.D., 1975, University of Southern California. Clinical Associate Professor of Psychiatry.


John Clifford Lantman [1957]. B.S., 1948; M.D., 1951, University of Vermont. Clinical Associate Professor of Medicine. Clinical Associate Professor of Family Practice.


Peter Paul Lawlor [1971]. M.D., 1958, University of Ottawa. Clinical Associate Professor of Surgery.


Austin Paul Nairn Lee [1984]. M.B.C.B., 1951, Edinburgh University; D.P., 1965; McGill University; F.R.C.P., 1965; Royal College of Physicians and Surgeons of Canada. Clinical Associate Professor of Psychiatry.


Kenneth Robert Lee [1979]. B.A., 1964, Rutgers University; M.D., 1973, University of Virginia. Associate Professor of Pathology.

Donald Anthony Leeber [1981]. B.S., 1959; M.S., 1961, University of Wyoming; M.D., 1965, Georgetown University. Associate Professor of Medicine.


David Welker Lettter [1984]. M.D., 1975, Wayne State University. Assistant Professor of Surgery.


Kevin Orr Leslie [1986]. B.S., 1974, Tulane University; M.D., 1978, Albert Einstein College. Assistant Professor of Pathology.

Paul Aaron Levi, Jr. [1971]. B.S., 1962, St. Lawrence University; D.M.D., 1966, Tufts University. Clinical Assistant Professor of Surgery.


Joan Gretchen Madison [1972]. B.S., 1951, Bucknell University; M.D., 1955, Temple University. Clinical Assistant Professor of Medicine.


Richard James Mahoney [1984]. B.S., 1968, St. John's University; Ph.D., 1977, State University of New York, Downstate Medical Center. Assistant Professor of Medicine.


Thomas Albert Martin, Jr. [1982]. M.D., 1964, Tufts University. Clinical Assistant Professor of Orthopaedics and Rehabilitation.


Anne Brown Mason [1979]. A.B., 1968, Connecticut College; Ph.D., 1979, Boston University. Research Assistant Professor of Biochemistry.


Christopher Patrick McAree [1962]. M.B.C.H., 1956, Queens University. Associate Professor of Psychiatry.


Eithne Carmel McCann [1981]. M.B.B.C., 1952, National University of Ireland. Associate Professor of Orthopaedics and Rehabilitation.


Brian Hawkesford McCracken [1972]. B.S.C.I., 1941; M.B.B.C., 1944, University of Wales; M.D., 1945, University of Wisconsin; F.R.C.P., 1946, Royal College of Physicians. Clinical Professor of Medicine.


John Bruce McDay [1980]. B.S., 1972, Drewel University; M.D., 1976, Temple University. Assistant Professor of Radiology.


J. Bishop McGill [1952]. B.A., 1944; M.D., 1946, University of Vermont. Associate Professor of Surgery.


Wallace Lee McKeehan [1985]. B.S., 1965, University of Florida; Ph.D., 1969, University of Texas. Adjunct Associate Professor of Biochemistry.

Margaret Kremer McLaughlin [1979]. B.S., 1972; M.S., 1974, Rutgers University; Ph.D., 1978, University of Maryland. Associate Professor of Obstetrics and Gynecology. Associate Professor of Physiology and Biophysics.


George Neal McNeil [1964]. B.S., 1957, University of Massachusetts; M.D., 1960, Boston University. Clinical Associate Professor of Pathology.


E. Douglas McSweeney, Jr. [1964]. A.B., 1951, University of Vermont; M.D., 1958, University of Ottawa. Assistant Professor of Surgery.


Diane Hutchins Meyer [1985]. B.A., 1958, Russell Sage College; Ph.D., 1972, University of Vermont. Research Associate Professor of Medicine.


Donald Baker Miller, Jr. [1976]. B.A., 1966; M.D., 1972, University of Vermont. Clinical Assistant Professor of Family Practice.


Frederick Samuel Miller [1987]. A.B., 1968, Harvard University; M.D., 1976, Case Western Reserve University. Clinical Assistant Professor of Surgery.


James Vincent Mogan [1980]. A.B., 1968, College of the Holy Cross; M.D., 1972, University of Vermont. Associate Professor of Orthopaedics and Rehabilitation.


Maurice Edward Mongeon [1964]. B.S., 1954, St. Michael's College; M.D., 1959, University of Vermont. Clinical Assistant Professor of Medicine.


Mary O. Morse [1981]. B.S., 1956, Simmons College; M.D., 1961, Tufts University. Clinical Assistant Professor of Medicine.

Robert Lawrence Morse [1985]. A.B., 1955, Dartmouth College; M.D., 1958, Harvard University; Clinical Assistant Professor of Medicine.


Ryozo Nagai [1983]. M.D., 1974, University of Toyo. Visiting Assistant Professor of Physiology and Biophysics.

Kenneth Earl Najarian [1985]. B.S., 1976, St. Lawrence University; M.D., 1980, University of Vermont. Assistant Professor of Radiology.


Paul Alfred Newhouse [1987]. B.S., 1975, Kansas State University; M.D., 1977, Loyola University. Assistant Professor of Psychiatry.

Claude Elmer Nichols [1985]. B.Sc., 1975, Brown University; M.D., 1979, Temple University. Assistant Professor of Orthopaedics and Rehabilitation.


Robert Emmett O’Brien [1955]. B.S., 1942, St. Michael’s College; M.D., 1945, University of Vermont. Clinical Associate Professor of Medicine.


Harold Louis Osher [1981]. B.S., 1943, Bowdoin College; M.D., 1947, Boston University. Associate Professor of Medicine.

George Jury Osol [1982]. B.S., 1975, Manhattan College; M.S., 1977; Ph.D., 1980, University of Vermont. Assistant Professor of Physiology and Biophysics. Assistant Professor of Obstetrics and Gynecology.


Paul Allen Parker [1981]. B.S., 1970, University of Richmond; M.D., 1974, Virginia Commonwealth University. Clinical Assistant Professor of Medicine.


David Scott Pederson [1988]. A.B., 1976, University of Chicago; M.S., 1980; Ph.D., 1983, University of Rochester. Assistant Professor of Microbiology.


William Ward Pendlebury [1979]. A.B., 1972, Brown University; M.D., 1976, University of Vermont. Assistant Professor of Pathology. Assistant Professor of Neurology.


Frederick Michael Perkins [1980]. A.B., 1970, Rutgers University; M.D., 1974, University of Vermont. Associate Professor of Surgery.


Thomas Charles Peterson [1986]. B.A., 1979, University of California at Santa Barbara; M.D., 1983, University of Rochester. Assistant Professor of Family Practice.

Janis Mussett Peyser [1976]. B.S., 1972, Denison University; Ph.D., 1976, University of Vermont. Clinical Associate Professor of Psychiatry.


Dennis Armand Plante [1983]. B.A., 1975; M.D., 1979, University of Vermont. Assistant Professor of Medicine.

Blanche Rita Podhajski [1938]. B.S., 1967, Boston University; M.S., 1969, University of Vermont; Ph.D., 1980, Northwestern University. Clinical Associate Professor of Neurology.

Malcolm Henry Pope [1976]. O.N.C., 1959, Acton College; H.N.D., 1962, Southall College; M.S., 1969, University of Bridgeport; Ph.D., 1972, University of Vermont. Professor of Orthopaedics and Rehabilitation.


Allan Murray Ramsay [1980]. M.D., 1973, Emory University. Associate Professor of Family Practice. Associate Professor of Medicine.

Peter Whitcomb Rand [1981]. A.B., 1951; M.D., 1955, Harvard University. Assistant Professor of Medicine.


Paul Julian Reiss [1986]. B.S., 1979, Fordham University; M.D., 1983, University of Rochester. Assistant Professor of Family Practice.

Ernest M.I. Reit [1965]. B.S., 1953; D.V.M., 1957, Cornell University; Ph.D., 1964, Yale University. Associate Professor of Pharmacology.


Jeffrey Michael Rimner [1979]. B.A., 1971, Yale University; M.D., 1976, University of Connecticut. Associate Professor of Medicine.


Stephen Donald Rioux [1987]. B.S., 1975, Stonehill College; M.D., 1979, University of Vermont. Clinical Assistant Professor of Neurology. Clinical Associate Professor of Pediatrics.


John David Roberts [1982]. B.A., 1972, Harvard University; M.D., 1976, University of Pennsylvania. Assistant Professor of Medicine. Assistant Professor of Pharmacology.


Hugh Payson Robinson [1982]. B.S., 1949, Bowdoin College; M.S., 1961, University of Minnesota; M.D., 1973, University of Rochester. Clinical Assistant Professor of Surgery.


James Carl Rosen [1976]. A.B., 1971, University of California, Berkeley; Ph.D., 1976, University of Nevada. Clinical Assistant Professor of Psychiatry. Assistant Professor of Orthopaedics and Rehabilitation.

Stephen Marion Romsus [1982]. B.A., 1971; M.D., 1975, University of Vermont. Clinical Assistant Professor of Family Practice.

Wilfred Roth [1964]. B.S., 1943, Columbia University; Ph.D., 1948, Massachusetts Institute of Technology. Research Professor of Orthopaedics and Rehabilitation.


Johanna M. Rues [1973]. M.D., 1956, University of Leiden. Associate Professor of Orthopaedics and Rehabilitation.

Carl Frederick Runge [1969]. B.S., 1958, Fordham University; M.D.C.M., 1962, McGill University. Associate Professor of Medicine.


Joseph Nicholas Russo [1968]. B.S., 1941, Trinity College; M.D., 1945, University of Vermont. Clinical Assistant Professor of Obstetrics and Gynecology.

Charles Brush Rust [1948]. M.D., 1939, University of Vermont. Clinical Professor of Orthopaedics and Rehabilitation.

Anthony Rutkowski [1985]. B.S., 1980, Pennsylvania State University; Ph.D., 1985, University of Vermont. Research Assistant Professor of Microbiology.


George Frederick Sager [1982]. B.A., 1943, Bowdoin College; M.D., 1946, Cornell University. Clinical Associate Professor of Surgery.


John Vincent Scholan [1982]. A.B., 1956, Providence College; M.D. 1960, New Jersey College of Medicine. Clinical Assistant Professor of Family Practice.


Tamotsu Shinozaki [1962]. M.D., 1958; D.M.S., 1961, Okayama University. Associate Professor of Surgery.

Stephen Martin Shreeve [1985]. B.Sc., 1974; Ph.D., 1980, University of Aston. Assistant Professor of Pharmacology.


David Frederic Smail [1978]. A.B., 1966, Bowdoin College; M.D., 1970, Tufts University. Assistant Professor of Surgery.


Robert George Sommer [1981]. B.S., 1955, Tufts University; M.D., 1959, University of Rochester. Clinical Assistant Professor of Medicine.


Marga Susan Sproul [1979]. B.A., 1968, Radcliffe College; M.S., 1976, Bank State College; M.D., 1976, University of Vermont. Associate Professor of Family Practice.


Paul Byron Stanilonis [1969]. B.S., 1961, Springfield College; M.D., 1965, University of Vermont. Clinical Associate Professor of Medicine. Clinical Associate Professor of Family Practice.


James Alexander Stewart [1979]. B.A., 1971, Ohio Wesleyan University; M.D., 1975, University of Chicago. Associate Professor of Medicine. Associate Professor of Pharmacology.


Joseph Frederick Stocks [1981]. B.S., 1951, Tufts University; M.D., 1955, Columbia University. Clinical Associate Professor of Pathology.


David Carter Stump [1984]. A.B., 1972, Earlham College; M.D., 1976, Indiana University. Assistant Professor of Medicine. Assistant Professor of Biochemistry.


Norman Vaughn Sturtevant [1984]. B.S., 1976; B.S., 1976, Massachusetts Institute of Technology; M.D., 1980, University of Vermont. Assistant Professor of Radiology.


David Latham Taber [1953]. M.D., 1946, Long Island College of Medicine. Clinical Assistant Professor of Obstetrics and Gynecology.

Susan Bernard Talbot [1985]. B.A., 1972, Stanford University; M.D., 1979, University of Vermont. Clinical Assistant Professor of Pediatrics.


Louis Nicholas Taxarchis [1981]. B.S., 1950, Bates College; M.S., 1952, Rutgers University; M.D., 1959, Tufts University. Clinical Associate Professor of Pathology.


Natalie Meisel Thanassi [1977]. B.S., 1959, City College of New York; Ph.D., 1963, Yale University. Research Associate Professor of Biochemistry.

Philip Pickering Thompson, Jr. [1981]. M.D., 1941, University of Pennsylvania. Clinical Associate Professor of Medicine.


David Michael Tormey [1968]. B.S., 1945, College of the Holy Cross; M.D., 1948, New York Medical College. Associate Professor of Family Practice.


Paul Babiarz Tracy [1984]. B.S., 1972, William Smith College; Ph.D., 1978, Syracuse University. Research Assistant Professor of Medicine. Research Assistant Professor of Biochemistry. Instructor of Medicine.

Russell P. Tracy [1984]. B.S., 1971, Le Moyne College; Ph.D., 1978, Syracuse University. Assistant Professor of Pathology. Assistant Professor of Biochemistry.


Saul G. Trevino [1979]. B.A., 1963; M.D., 1966, University of Texas. Assistant Professor of Orthopaedics and Rehabilitation.


Ruth Esther Uphold [1981]. B.S., 1967, University of California at San Francisco; M.D., 1974, Tufts University. Assistant Professor of Surgery.

August John Valenti [1985]. B.S., 1968, St. Peter's College; M.D., 1972, Cornell University. Clinical Assistant Professor of Medicine.

John William Valentine [1982]. B.S., 1971, Denison University; M.D., 1975, University of Rochester. Clinical Assistant Professor of Medicine.

Bennett Van Houten [1988]. B.S., 1980, Clarion State University; Ph.D., 1984, University of Tennessee. Research Assistant Professor of Pathology.


Margaret M. Waddington [1981]. A.D., 1948, Finch Junior College; B.S., 1950, St. John's University; M.D., 1961, University of Vermont. Clinical Associate Professor of Neurology.


Louis J. Wainer [1959]. B.A., 1929; M.D., 1933, McGill University. Clinical Assistant Professor of Medicine.

Steven Lewis Wald [1981]. B.S., 1970; M.D., 1975, University of Nebraska. Associate Professor of Surgery.


Susan Scholes Wallace [1988]. B.S., 1959, Marymount College; M.S., 1961, University of California, Berkeley; Ph.D., 1965, Cornell University. Professor of Microbiology.


Maurice James Walsh [1976]. B.S., 1936; M.D., 1939, University of Vermont. Clinical Assistant Professor of Medicine.

Carol P. Walters [1972]. A.B., 1963, Albion College; Ph.D., 1972, University of Vermont. Research Associate Professor of Pediatrics. Research Associate Professor of Pathology.


Roland George Ware, Jr. [1981]. A.B., 1954, Bowdoin College; M.D., 1958, McGill University. Clinical Associate Professor of Radiology.


David Michael Warshaw [1983]. B.S., 1973; M.S., 1975, Rutgers University; Ph.D., 1978, University of Vermont. Assistant Professor of Physiology and Biophysics.


George Dayton Webb [1966]. A.B., 1956, Oberlin College; M.A.T., 1957, Yale University; Ph.D., 1962, University of Colorado. Associate Professor of Physiology and Biophysics.


Joseph Wells [1968]. B.S., 1956, University of Rhode Island; Ph.D., 1959, Duke University. Associate Professor of Anatomy and Neurobiology.


David Gould Wilder [1979]. B.S.M.E., 1974; M.S.M.E., 1978; Ph.D., 1985, University of Vermont. Research Assistant Professor of Orthopaedics and Rehabilitation.


Graduates 1987

Class of 1987
(With undergraduate college, home address, and residency appointment)
Mills, Dora Anne, A.B., Bowdoin College; Rockville Centre, NY; Children's Hospital of Los Angeles, Los Angeles, CA

Mokrzycki, Michele Helene, B.S., Boston College; Rockville Centre, NY; University of Connecticut School of Medicine, Farmington, CT

Montagne, Thomas Marcel, B.A., Providence College; Williston, VT; Maine Medical Center, Portland, ME

Moran, Anne Albert, B.A., University of Vermont; Madawaska, ME; Strong Memorial Hospital, Rochester, NY

Moran, Terence Edward, B.S.C., McGill University; Milford, MA; Strong Memorial Hospital, Rochester, NY

Morrow, Cathleen Elizabeth, B.A., University of Vermont; Franklin, ME; Highland Hospital of Rochester, Rochester, NY

Mueller, Michael Carl, A.B., Assumption College; Cumberland, RI; Medical Center Hospital of Vermont, Burlington, VT

Napoli, Diane Christina, B.S., University of Vermont; Stow, MA; Wilford Hall USAF Medical Center, San Antonio, TX

Nepveu, Karen, B.A., University of California, San Diego; Morrisville, VT; Baystate Medical Center, Springfield, MA

Peit, Raymond David, A.A., Rhode Island Junior College; B.S., Providence College; Providence, RI; Rhode Island Hospital, Providence, RI

Pollak, Arnold Jay, B.S., University of California, Los Angeles; North Hollywood, CA; Loma Linda University Medical Center, Loma Linda, CA

Procopio, Marcia Ann, B.S., University of Vermont; Burlington, VT; Berkshire Medical Center, Pittsfield, MA; Brigham & Women's Hospital, Boston, MA

Robbins, Leslie Cecile, B.S., Tufts University; South Portland, ME; North Carolina Memorial Hospital, Chapel Hill, NC

Rosenblatt, Jeffrey Alan, B.A., University of Maine at Orono; Matawan, NJ; Berkshire Medical Center, Pittsfield, MA

Sartorelli, Kenneth Hans, B.A., University of Vermont; Barre, VT; Medical Center Hospital of Vermont, Burlington, VT

Sharp, Susan Carol, B.S., University of Vermont; MS, George-town University; Bethel, VT; Strong Memorial Hospital, Rochester, VT

Skelton, Ann Kelley, B.A., Yale University; Portland, ME; Maine Medical Center, Portland, ME

Solomon, Kerry Dean, B.A., University of Vermont; Waitsfield, VT; University of Utah; Salt Lake City, UT

Soucy, Denise Michelle, B.A., Williams College; Fort Kent, ME; Lancaster General Hospital, Lancaster, PA

Stevenson, David Alban, B.A., Amherst College; Concord, NH; Tripler Army Medical Center; Honolulu, HI

Swide, Christopher Edward, A.B., University of California, Berkeley; M.S., Stanford University; Pleasant Hill, CA; Mt. Zion Hospital Medical Center, San Francisco, CA; Oregon Health Sciences University, Portland, OR

Taylor, Sue Ann, B.A., Middlebury College; East Montpelier, VT; Baystate Medical Center, Springfield, MA

Terrien, Edward Francis, B.A., University of Vermont; Burlington, VT; Duke University Medical Center, Durham, NC

Theocharous, James Paul, A.B., Bowdoin College; Scarborough, ME; University of California, San Diego Medical Center, San Diego, CA

Thompson, Peter Wayne, B.A., Boston University; Hollis Center, ME; Sacred Heart Medical Center, Spokane, WA; Medical Center Hospital of Vermont, Burlington, VT

Turner, Erica B.A., Bryn Mawr College; Marlboro, VT; University of Florida Medical Center-Shands Hospital, Gainesville, FL

Van Buren, Peter Carmer, B.A., University of Vermont; Burlington, VT; Georgetown University Hospital, Washington, DC

Vayda, James Louis, B.A., University of Pittsburgh; B.A., Skidmore College; Pittsburgh, PA; University of Arizona Affiliated Hospitals, Tucson, AZ

Wardzala, Lawrence Joseph, B.A., Northwestern University; Ph.D., Dartmouth College; Washington, D.C.; Walter Reed Army Medical Center, Washington, D.C.

Weber, Barbara Ellen, B.A., University of Rochester; Binghamton, NY; Case Western Reserve University Program, Cleveland, OH

Weissbein, Thomas Jerald, B.A., University of California, Berkeley; San Bernardino, CA; Wyman Park Health Systems, Baltimore, MD

Wolf, Robert James, A.B., Dartmouth College; Eastchester, NY; Maine Medical Center, Portland, ME

Wondriska, Alison Elizabeth, B.A., Yale University; West Hartford, CT; Yale-New Haven Hospitals, New Haven, CT

Wong, Michael Thomas, B.S., University of California, Irvine; Palos Verdes Estates, CA; New England Deaconess Hospital, Boston, MA

Zagroba, Marie Lynn, B.A., University of Vermont; Barre, VT; University of Massachusetts Coordinated Programs, Worcester, MA; Medical Center Hospital of Vermont, Burlington, VT

Zuckerberg, David Neil, B.S., Union College; Albertson, NY; Lenox Hill Hospital, New York, NY
Class of 1988
(With undergraduate college, home address, and residency appointment)

Altmann, Richard Eliot, B.S., Union College; Glendale, NY; Washington Hospital Center, Washington, DC

Amblo, Wendy Lynne, B.S., University of Vermont; South Burlington, VT; St. Francis Hospital & Medical Center, Hartford, CT

Bambara, John Thomas, B.S., State University of New York, Buffalo; West Nyack, NY; Marshall University Affiliated Hospitals, Huntington, WV

Bevan, Heather Joy, B.A., University of California, Los Angeles; Burlington, VT; University of California, Davis Medical Center, Sacramento, CA

Bisson, Monelle Gaylaine, A.B., Bowdoin College; Nashua, NH; Brooke Army Medical Center, San Antonio, TX

Blood, Suzanne Marie, A.B., Harvard University; Schenectady, NY; Rhode Island Hospital, Providence, RI

Bohnert, John Charles, B.S., Stevens Institute of Technology; Basking Ridge, NJ; Maine Medical Center, Portland, ME

Bonadies, John Anthony, A.B., Cornell University; Hamden, CT; Hospital of St. Raphael, New Haven, CT

Boyajian, Robert Ara, B.S., M.S., Stanford University; Palos Verdes, CA; Scripps Clinic-Green Hospital, La Jolla, CA

Bula, Wolodymyr Iwan, B.A., University of Pennsylvania; Essex Junction, VT; Maine Medical Center, Portland, ME

Campbell, John Joseph III, S.C.B., Brown University; Abington, MA; Boston University Program, Brockton, MA; Brown University, Providence, RI

Campion, Sharon Marre, B.A., Wellesley College; Wellesley Hills, MA; University of Massachusetts Coordinated Programs, Worcester, MA

Catcart, Wendy Skerritt, B.A., University of Vermont; Hampden, CT; Maine Medical Center, Portland, ME

Cooper, David Michael, B.A., University of Pennsylvania; Cherry Hill, NJ; New York University Medical Center, New York, NY

Couillard, David Raymond, B.A., University of Vermont; Burlington, VT; George Washington University Hospital; Washington, DC; University of California, Davis Medical Center, Sacramento, CA

Crowell, Karen Louise, A.B., Colgate University; Hartford Four Corners, VT; Hartford Hospital, Hartford, CT

Cunningham, Michael Lawrence, B.A., University of Vermont; Benson, VT; University of Washington Affiliated Hospitals, Seattle, WA

Cyr, Peggy Rachel, B.A., University of Maine at Orono; Caribou, ME; Maine Medical Center, Portland, ME

Davis, Mark Jeffrey, B.A., University of Vermont; Hydeville, VT; Providence Hospital, Washington, DC

Dawson, Erin Colleen, B.A., University of Vermont; Cape Elizabeth, ME; Jackson Memorial Hospital, Miami, FL

Devine, John Gerald, B.A., Brandeis University; Portland, ME; University of California, San Francisco, San Francisco, CA

DiFazio, Frank Anthony III, A.B., Colgate University; Islip, NY; Medical Center Hospital of Vermont, Burlington, VT

Dintzis, William Stephen, A.B., Harvard University; Baltimore, MD; Yale-New Haven Hospital, New Haven, CT

Doble, Elizabeth Ann, B.S., University of Vermont; Burlington, VT; Beth Israel Hospital, Boston, MA; Brigham & Women's Hospital, Boston, MA

Donatelli, Michael, B.S., Bates College; Portland, ME; Cabini Medical Center, New York, NY

Epstein, Jeffrey Stuart, B.A., Suerthmore College; Syosset, NY; Jackson Memorial Hospital, Miami, FL

Flatau, Irene Ruth, B.A., Johns Hopkins University; M.S., Columbia University; Shoreham, NY; St. Christopher's Hospital, Philadelphia, PA

Foley, Christopher Kevin, B.A., Carleton College; Exeter, NH; North Carolina Memorial Hospital, Chapel Hill, NC

Fried, Judy Jill, B.S., Cornell University; Airlside, NY; Long Island Jewish Medical Center, New Hyde Park, NY

Friedland, Daniel Mark, B.A., Colorado College; Denver, CO; University of Colorado School of Medicine, Denver, CO

Friedman, Barbara Diane, B.S., Cornell University; New Rochelle, NY; State University of New York, Health Science Center; Syracuse, NY

Gallagher, Tracy Ann, A.B., Colgate University; Douglaston, NY; The New York Hospital, New York, NY

George, Argilla Rose, A.B., Wheaton College; Emery Mills, ME; Lancaster General Hospital, Lancaster, PA

Gerin-Lajoie, Michele, B.A., University of Vermont; Fairfax, VA; Jewish General Hospital, Montreal, Canada

Gluckman, William Jeffrey, A.B., Brandeis University; Warwick, RI; St. Francis Hospital & Medical Center, Hartford, CT

Goransson, Leslie Greta, A.B., Dartmouth College; Canton, MA; George Washington University Hospital, Washington, DC

Harmon, Maureen Lee, B.A., University of Vermont; Burlington, VT; Medical Center Hospital of Vermont, Burlington, VT; Dartmouth-Hitchcock Medical Center, Hanover, NH

Helburn, Daniel Mark, B.A., Brandeis University; Weston, CT; Beth Israel Medical Center, New York, NY

Heller, Patricia Anne, B.A., New York University; West Babylon, NY; Louisiana State University Affiliated Hospitals, New Orleans, LA

Hoffman, Douglas Frederick, B.S., Duke University; Whinston, MD; St. Margaret Memorial Hospital, Pittsburgh, PA

Hoskin, Mark Lewis, B.A., Hampshire College; Winooski, VT; Albany Medical Center Hospital, Albany, NY

Jillson, Elizabeth Howard, B.S., Tufts University; M.S., M.M.A., University of Rhode Island; Branford, CT; Medical Center Hospital of Vermont, Burlington, VT

Jones, Kenyon Warren, A.B., Dartmouth College; White River Junction, VT

Kata, Edward John, Jr., B.S., Fordham University; Malverne, NY; King's County Hospital Center, Brooklyn, NY; State University of New York, Downstate Medical Center, Brooklyn, NY

Keller, Betty Jane, B.A., Williams College; East Montpelier, VT; University of Utah Affiliated Hospitals, Salt Lake City, UT

Kim-Foley, Susan So-Hyun, B.A., Wellesley College; St. Johnsbury, VT; Duke University Medical Center, Durham, NC
Abdelmessih, Hanaa, B.A., Rhode Island College; Woonsocket, RI
Abdedon, Stephen Israel, B.S., University of Vermont; Providence, RI
Austin, Judith Marie, A.B., Bowdoin College; Rutland, VT
Baumhauer, Judith Ford, B.S., Springfield College; M.S., Middlebury College; Bethel, VT
Bellstrom, Laura Ann, B.A., Smith College; Townshend, VT
Bradley, James Patrick, B.S., United States Military Academy; Hampden, ME
Brett, Craig Malcolm, B.A., Cornell University; Great Neck, NY
Cantwell, Catherine Josephine, B.A., Cornell University; Ithaca, NY
Chan, Eric Boon Tsou, B.S., Massachusetts Institute of Technology; Staten Island, NY
Cheney, Robert Alan, B.A., Ithaca College; Saco, ME
Chicoine, Ronald Edward, B.A., University of Maine at Orono; Lewiston, ME
Ciancimino, David Eugene, A.B., Brown University; New Britain, CT
Cohen, Lisa Michele, B.S., Cornell University; Latham, NY
Cushman, Mary, B.S., University of Vermont; East Longmeadow, MA
Davis, Stephen Joseph, B.A., Johns Hopkins University; Revere, MA
Dayer, Robert John, B.A., University of Vermont; Orleans, VT
Disandro, Michael Joseph, B.A., Colgate University; Barrington, RI
Donnelly, Craig Lanier, B.S., Virginia Polytechnic Institute and State University; M.A., The American University; Burlington, VT
Farnsworth, Wayne Joseph, B.S., University of Vermont; Vergennes, VT
Farrow, Suzanne Lee, A.B., Dartmouth College; Westborough, MA
Fausel, Edward David, B.A., University of Vermont; Essex Junction, VT
Gallant, Janice Mary, B.A., Goddard College; B.S., State University of New York, Stony Brook; Richmond, VT
Gardy, Lynn Maria, B.S., Cornell University; Shelburne, VT
Gellis, Janice Elizabeth, B.S., University of Vermont; Burlington, VT
Gluck, Julie Lauren, B.A., Cornell University; New York, NY
Goldman, Mindy Ellen, B.S., University of Vermont; Portland, ME
Green, Stephen Mitchell, B.A., University of Pennsylvania; Merrick, NY
Greenwood, Donna Lynne, B.A., Amherst College; Brookline, MA
Griffin, Frances Joseph, Sr., B.S., M.Ed., University of Maine at Orono; Oakland, Maine
Grunes, Kathryn, B.A., Wesleyan University; New York, NY
Gulati, Raj Keith, B.A., Brown University; Elmsford, NY
Handanos, Christine Margareth, B.S., McGill University; Rumford, ME
Hein, Diane Lorraine, B.S., State University of New York, Stony Brook; Oakdale, NY
Hessler, Richard Bernard, B.A., University of Pennsylvania; Wilmington, DE
Hill, Kelly Jane, B.S., University of Vermont; South Burlington, VT
Hitti, Jane Evelyn, Sc.B., Brown University; Bethesda, MD
Hong, Jeffrey Christopher, B.A., Cornell University; North Caldwell, NJ
Huang, David Tsu-Chau, A.B., Cornell University; Rochester, NY
Kohler, Eric Paul, A.B., College of the Holy Cross;Needham, MA
Kowiz, Alan Scott, B.A., University of California, San Diego; Hacienda Heights, CA
Lauze, Ann Marie, B.A., University of Maine at Orono; Mechanic Falls, ME
Lewis, Judith Lynne, B.A., Williams College; Charlotte, VT
Lim, Edward Stephen, B.A., State University of New York, Binghamton; Rome, NY
Lucchina, Leslie Caroline, B.A., University of Vermont; Montpelier, VT
Maher, Michael Joseph, B.S., Fairfield University; Andover, MA
Marsh, Marianne, B.S., University of California, Davis; Corona, CA
Mastras, Dean George, B.A., Lehigh University; Wellesley, MA
May, Laurie, B.A., University of Vermont; Westwood, MA
McElwain, Lorraine Letourneau, B.A., University of Vermont; West Charleston, VT
McGinn, Cornelius John, B.S., Boston College; Brewer, ME
Moore, Michael John, B.S., University of Illinois; Hayward, CA
Moulton, Martha Jane, B.A., Connecticut College; Burlington, VT
Moynihan, Michael Jerome, B.A., College of the Holy Cross; Burlington, VT
Muller, David Leland, A.B., Colgate University; Pelham, NY
Murnik, Michael George, B.A., Columbia University; Georgetown, ME
Murphy, Kim Ann, B.A., Columbia University; Rutland, VT
Nalin, Peter Maria, A.B., Cornell University; DeWitt, NY
Nason, Fae Corrine Gall, B.S., University of Maine at Orono; Orono, ME
Norotsky, Mitchell Craig, A.B., Harvard College; Tappan, NY
O’Brien, John Patrick, B.A., Middlebury College; M.S., University of Vermont; South Burlington, VT
Ormsby, Sarah Ann, A.B., Bowdoin College; Seattle, WA
Osiecki, Stephanie Theresa, B.A., Wellesley College; Natick, MA
Pass, Adam Bennett, B.A., Williams College; Brooklyn, NY
Picard, David Cammie, B.A., University of Maine at Orono; Bangor, ME
Pinn, Elke, D.I., University of Goettingen; Underhill, VT
Roach, David Joseph, B.A., University of Maine at Orono; Bangor, ME
Roaf, Victoria Lee, B.A., Wellesley College; Hamilton, MA
Ryan, Sheila Ellen, B.A., Colby College; Waterville, MA
Schmitt, Charles Joseph, B.S., Middlebury College; Shelburne, VT
Sears, John Joseph, B.A., Cornell University; South Hadley, MA
Sengstaken, Elizabeth Ann, B.A., University of Rochester; B.S.N., Catholic University of America; West Sullivan, ME
Shute, Keith Michael, B.A., Ohio Wesleyan University; M.T.S.C. Miami University; Londonerry, NH
Sobieck, James Stephen, B.S., California State College, Stanislaus; Turlock, CA
Sparks, Alisande Buchanan, A.B., Bowdoin College; Kennebunk, ME
Spitzer, Carl Robert, B.S., Brown University; East Thetford, VT
Stogsdill, Patricia Brown, B.S., University of Vermont; Rumford, ME
Taylor, Janine Dawson, A.B., Mount Holyoke College; Farmington, ME
Terwilliger, George Pierce, B.A., University of Vermont; Pittsford, VT
Tesler, Peter Jon, B.A., Swarthmore College; Pawtucket, RI
Valcour, Rebecca Rugg, B.A., University of Vermont; St. Albans, VT
Vincent, Susan, B.A., B.S., Rutgers The State University; Old Town, ME
Weeks, Bradford Stillman, B.A., Dartmouth College; Concord, MA
Whalen, Michael Jerome, B.A., University of Rochester; M.S., University of Vermont; Elmira, NY
White, Elizabeth Sosna, B.S.N., University of Pennsylvania; South Hero, VT
Wilczynski, Stephen Withington, B.A., University of Vermont; Manchester Center, VT
Class of 1990

Aladjem, Eva Veda, B.S., M.S., Stanford University; Pasadena, CA
Alley, John Adams, B.A., University of Rochester; Rochester, NY
Alpert, Jamie Allison, B.A., University of Vermont; Burlington, VT
Anders, Jeffrey Lawrence, B.A., Hobart College; Montpelier, VT
Auger, Armand George, B.A., University of Vermont; Worcester, MA
Baker, William Evan, B.A., University of Pennsylvania; East Hills, NY
Barnard, Diana Lynn, B.S., McGill University; Waitsfield, VT
Berreen, John Patrick II, B.S., Union College; Randolph Center, VT
Beskind, Daniel Leonard, B.A., University of Vermont; Norwalk, VT
Bigelow, Christopher Jon, B.S., University of Michigan; Grand Blanc, MI
Bingham, Anne Stevens, B.A., Yale University; Salem, CT
Bolton, Margaret Ann, B.A., University of Vermont; South Hero, VT
Burgess, Donald Ralph, B.A., University of Maine at Orono; Berwick, ME
Butler, Michael Dana, B.S., Brown University; Dedham, MA
Buzzell, Stephen Henry, B.S., University of Vermont; Proctor, VT
Carbone, Paula Jo, B.A., Wesleyan University; Old Lyme, CT
Carroll, Michael Peter, B.A., University of Vermont; Williston, VT
Cavalli, Giulio Isidoro, A.B., Colgate University; Scarsdale, NY
Cirillo, Louis Anthony, B.A., Bernard M. Baruch College; Brooklyn, NY
Congdon, Jeffrey Charles, B.A., Williams College; Bennington, VT
Conklin, Elizabeth, B.A., Brown University; Cranston, RI
Cook, Deborah Lynn, B.S., Clarkson University; Manlius, NY
Cornish, Nancy Elizabeth, B.A., University of Vermont; Burlington, VT
Coyne, Michael David, B.A., Columbia College; Portland, ME
DeSavio, Gina Carmela, B.A., Brown University; Armonk, NY
DeMeco, Paul Edward, B.S., Providence College; North Providence, RI
Dill, Barbara Angelika, A.B., Colgate University; New City, NY
Dill, Mary Margaret, A.B., Smith College; Burlington, VT
Dirks, Marco Paolo, B.S., Tufts University; Lexington, MA
Disilvestro, Paul Andrew, A.B., Dartmouth College; Darien, CT
Dittrich, Karen Anne, B.A., Cornell University; Burlington, VT
Dowling, Christopher Allen, A.B., Dartmouth College; Cape Elizabeth, ME
Dube, Michael Arthur, B.A., Boston University; West Warwick, RI
Fabozzi, Scott John, B.S., Cornell University; Amsterdam, NY
Fanaras, Gregory Charles, B.A., Johns Hopkins; Methuen, MA
Fitzgerald, Frederick Leland, B.S., University of Rhode Island; Burlington, VT
Forman, Joel Alexander, B.A., University of Pennsylvania; Providence, RI
Gagnon, James Barry, B.A., Bowdoin College; South Berwick, ME
Gibson, Pamela Cox, B.A., Hood College; Florham Park, NJ
Goering, Ann, B.A., University of Vermont; Winooosi, VT
Goulston, Claudia, A.B., Colby College; Cambridge, MA
Granter, Scott Ralph, B.A., University of Vermont; Randolph, VT
Harvey, Susan Carolina, B.A., Middlebury College; Williston, VT
Hedlund, Jacquelyn Ann, A.B., Smith College; M.S., Harvard School of Public Health; Manchester, CT
Hic, Susanne, B.A., University of Vermont; Scarborough, ME
Highland, Robert Alan, B.A., Colby College; Winooosi, VT
Hikel, Katharine Mary, A.B., Radcliffe College; Orono, ME
Hill, Scott Blackstone, B.A., University of Vermont; Burlington, VT
Homan, Fay Frances, B.A., University of Vermont; Burlington, VT
Homer, John William, State University of New York; Oswego; Burlington, VT
Javery, Thomas Edward, A.B., St. Michael's College; Randall, VT
Kaplinsky, Robert Scott, B.A., Williams College; Longmeadow, MA
Keller, Martin Steven, B.A., University of Pennsylvania; Brandon, CT
Kiley, Donna Marie, B.S., University of Vermont; Shelburne, VT
Knight, Eric Charles, B.S., University of Vermont; Burlington, VT
Lanzarone, Lisa Mary, B.A., California State University; Northridge; Northridge, CA
Lapp, Philip Ray, A.B., Colby College; Chester, VT
Laverdiere, Joseph Thomas, B.A., University of California; Berkeley; Augusta, ME
Lawler, Casey Martin, B.A., St. John's University; Burlington, VT
Lawson, Jeffrey Harold, B.S., University of Iowa; Mt. Prospect, IL
Le, Phuoc Hong, A.A., Simon’s Rock College; B.A., University of Chicago; Chicago, IL
Leffler, Stephen Michael, B.S., University of Vermont; Brandon, VT
Leite, Diane Valente, B.S., College of William and Mary; East Providence, RI
Letourneau, Lawrence Scott, B.A., College of the Holy Cross; Waterville, ME
Lyons, Michael Leo, B.A., Middlebury College; Montpelier, VT
Mah, Jennifer Sieu-Tsung, B.A., Williams College; Riverdale, NY
Martin, Mark Andrew, B.A., Boston College; M.S., Georgetown University; Westerly, RI
McDaniel, Holly Louise, B.A., John Hopkins University; Orono, ME
McLafferty, Robert Bryant, B.S., Boston College; Auburn, ME
Moby, Paqui Denise, B.S., University of Rhode Island; Jamestown, RI
Nelson, Erica Elizabeth, B.A., Pomona College; LaCanada, CA
Nolan, Francis Joseph, B.S., University of Vermont; Chester, VT
O’Grady, Christopher John, B.S., University of California, Riverside; San Francisco, CA
O’Reilly, Michael, B.A., University of Massachusetts; Burlington, VT
Packard, Sara Jane, B.A., University of Vermont; Burlington, VT
Pelton, William Nelson, B.A., University of Vermont; Manchester Center, VT
Phelps, Rick Dean, B.S., University of Vermont; Burlington, VT
Pierce, Daniel Catlin, B.A., Williams College; Montpelier, VT
Rao, Vikram Gundavaram, B.A., University of Vermont; Burlington, VT
Rizzi, Roland Roger, B.S., Georgetown University; Sherman, CT
Roberts, Amy Burkhart, B.S., Alma College; Rochester, NY
Rudman, Nathan Todd, B.S., Tufts University; Hyannis, MA
Schoen, Maria Adriana, B.A., Boston University; Allston, MA
Shuma-Hartswick, Debra Jeannine, A.B., Dartmouth College; Jericho, VT
Slaboj, Natalka Antonia, B.S., University of Maine at Orono; Brewer, ME
Smith, Richard Vance, B.A., Middlebury College; Melrose, MA
Traina, Tad Greene, B.A., University of Rochester; Montrose, NY
Tsao, Lana, B.A., Wellesley College; Cumberland Foreside, ME
Valent, Scott Richard, B.A., University of Vermont; Port Washington, NY
Walshe, Christopher Joseph, B.N., Kings Park Hospital; B.S., State University of New York, Stony Brook; M.A., New York University; Kings Park, NY
Waskowitz, Robert Samuel, B.A., Amherst College; Kensington, CT
Waterman, Jane Lynn, Johnson State College; Wolcott, VT
Wolf, Heidi, A.B., Colgate University; Centreville, VA
Yu, York-Sung, B.S., Cornell University; East Norwich, NY
Zapson, Daniel Scott, B.A., University of Pennsylvania; M.S., State University of New York, Buffalo; New York, NY
Abate, Michael Jon, B.A., University of California, Davis; Napa, CA
Adelman, Scott, A.B., Bowdoin College; Mars Hill, ME
Annar, Lorraine Elizabeth, B.S., University of Pennsylvania; Commack, NY
Asnis, Lisa Audrey, A.B., Smith College; New York, NY
Aveni, Maria Christine, A.B., Radcliffe College; Watertown, MA
Baker, Peter Christensen, B.A., Bucknell University; Darien, CT
Barrett, David Allen, B.A., University of Pennsylvania; New York, NY
Beck, Barbara Jo, A.B., University of Illinois; M.S., Pace University; Kingston, NY
Beer, Cecilia Victoria, B.S., Cornell University; Eastchester, NY
Belko, Amy Zyra, B.S., University of Wisconsin; M.S., Ph.D., Cornell University; San Francisco, CA
Bellafiore, Peter Joseph, A.B., Boston College; East Greenwich, RI
Bergwall, Anne Parker, B.A., University of Maine at Orono; Easton, ME
Briggs, Stephanie, B.S., Stanford University; Sacramento, CA
Brunelle, David Charles, A.B., Dartmouth College; Saco, ME
Buehring, Lisa Marie, B.A., University of California, Los Angeles; Agoura, CA
Bulley, David Alexis, B.A., University of Vermont; Burlington, VT
Canin, Jill Elizabeth, B.S., University of Rochester; New York, NY
Carey, Peggy Ann, B.A., Bates College; Brattleboro, VT
Cascione, Mark Charles, A.B., College of the Holy Cross; Jackson, NJ
Chenery, Karen Lee, B.A., Ithaca College; Saco, ME
Deibler, Susan Mary, B.A., State University College, Potsdam; Williamstown, NY
Dewey, John, B.A., Carleton College; Worcester, MA
Drew, Simon Paul, B.S., Union College, Kirkwood, NY
Eastman-Gallo, Dawna Lynn, A.B., Colby College; Elmhurst, NY
Estrin, Mario Elizabeth, B.A., University of Vermont; East Montpelier, VT
Fehrmann, Catherine Suzanne, B.A., Brown University; Cambridge, MA
Finnell, John Thomas II, B.S., University of Vermont; Colchester, VT
Gahm, Sara Jo, B.A., Yale University; Glastonbury, CT
Garahan, Margaret Bunce, B.S., M.S., University of Wisconsin; South Burlington, VT
Goldberg, Charles Gordon, B.A., Amherst College; M.S., Georgetown University; Great Neck, NY
Goldsby, Robert Edward, B.A., University of California, Berkeley; Berkeley, CA
Green, Douglas Erwin, B.A., Dartmouth College; Warren, VT
Hagstrom, Nathan, University of Vermont; Brattleboro, VT
Harkins, Mary Keith, B.A., Wesleyan University; Burlington, VT
Hepler, Sharon Marie, A.B., Smith College; Orono, ME
Hession, Eileen Mary, B.S., Trinity College; Dedham, MA
Hopson, Lila Primrose, A.B., Colby College; Stratton, ME
Joy, Robert Arthur, B.S., Massachusetts Institute of Technology; West Hartford, CT
Katzman, Philip Jay, A.B., Brandeis University; Newton Centre, MA
Kelley, Linda Carradine, A.B., Cornell University; Richmond, VT
Kirschner, Mitchell Farrell, B.A., Johns Hopkins University; South Burlington, VT
Koller, Stephen Mark, B.A., University of Virginia; West Hempstead, NY
Koobatian, Thomas John, B.S., M.S., Tufts University; Worcester, MA
LaCroix, Dale Jeanne, B.S., University of Vermont; Essex Junction, VT
LaVopa, Louis Vincent, A.B., College of the Holy Cross; Portland, ME
Legere, Paula Jean, B.S., Fairfield University; Sanford, ME
Leondires, Mark Peter, A.B., Colby College; Danvers, MA
Libby, Curtis MacKay, B.A., Bowdoin College; Cape Elizabeth, ME
Linder, Moss Jacob, B.A., Wesleyan University; New London, CT
Lord, Kelly Lynn, B.S., University of Vermont; Colchester, VT
Mason, Stephen Bradley, B.S., Cornell University; South Burlington, VT
McGrath, Paul David, A.B., Cornell University; Contoocook, NH
McIntyre, John Joseph, B.A., Wesleyan University; White Plains, NY
McQueen, Kathryn Ann Kelly, B.A., Colorado College; Phoenix, AZ
Montemale, Mary Ann Lucy, B.A., University of Rochester; Rochester, NY
Nelson, Theodora Jeanne, A.B., Stanford University; La Jolla, CA
Nishiyanma, Stephen Takeo, A.B., University of Michigan; B.S., University of Southern Maine; Falmouth, ME
Norris, Laura Mary, B.A., Middlebury College; Dorset, VT
O'Sullivan, Kimberley Lloyd, B.A., Middlebury College; Wellesley, MA
Passman, Marc Adam, A.B., Bowdoin College; West Hartford, CT
Peel, David Harris, B.S., University of Vermont; Danby, VT
Poulter, Timothy Mark, B.A., Colby College; Newport, VT
Powers, James Brian, B.S., University of Lowell; Boston, MA
Prendergast, Theresa Maria, B.S., Bucknell University; Astoria, NY
Quinn, Christopher Martyn, B.A., University of Notre Dame; Bangor, ME
Reynolds, Jay Matthew, B.A., Johns Hopkins University; Fort Fairfield, ME
Reynolds, John Russell, B.S., Boston College; Greenville, RI
Russell, Richard John, B.S., B.A., University of Colorado; Boulder, CO
Salem, Charles Henry, B.A., Yale University; Bennington, VT
Savo, Anthony Michael, B.A., Yale University; New Haven, CT
Saulitis, Mara Veronika, A.B., Cornell University; Silver Creek, NY
Searfoss, Laniana Darleen, B.A., Williams College; Freeport, ME
Silverman, John Andrew, B.A., Middlebury College; Jackson, WY
Spaight, Deborah Ann, B.A., Brown University; Barrington, RI
Sprague, Kellie Ann, A.B., Saint Anselm College; Boston, MA
Starr, Geoffrey Edward, B.S., Saint Michael's College; Newport, VT
Stern, Alan Kevin, B.A., Brown University; Needham, MA
Sullivan, Mark James, B.A., University of Vermont; Burlington, VT
Swanson, Holly, A.B., Colby College; Brunswick, ME
Tester, Patrick William, B.S., University of California, Los Angeles; Corona Del Mar, CA
Tirabasso, Victor Justin, B.A., University of Colorado; Rye Brook, NY
Trevisani, Gino Thomas, B.A., University of Rochester; Clinton, NY
Tubbs, Warren Scott, B.A., Stanford University; Spokane, WA
Walker, Gregory Allen, B.S., University of Vermont; Newport, VT
Wark, Heather Lynne, B.A., Bowdoin College; Charlotte, VT
Weinmann, Christopher Mark, B.A., Brown University; West Long Branch, NJ
Welch, Catherine Anne, A.B., Dartmouth College; San Diego, CA
Welch, George Nicholas, B.A., Williams College; Duxbury, MA
Welch, Judy Lynn, B.A., University of Maine at Orono; Waterville, ME
Wieder, Brian Howard, B.S., University of California, Los Angeles; Encino, CA
Wilczynski, Denise Courtemanche, B.A., University of Vermont; Winooski, VT
Wingfield, Roberta Kauffmann, B.A., University of Washington; Menlo Park, CA
Yeatts, Mary Ann, B.S., State University of New York, Binghamton; M.S., University of Vermont; Colchester, VT
Zacks, Michael Peter, A.B., Harvard University; Providence, RI
Abt, Michael Steven, University of Colorado; Wilmette, IL
Afek, Paul, B.A., City College of New York; Burlington, VT
Ahn, Eliza Sukhee, B.S., State University of New York, Binghamton; New York, NY
Albertini, John Joseph, University of Vermont; Underhill Center, VT
Alnajjar, Haif Behnam, B.A., University of Michigan; West Bloomfield, MI
Ascanio, Robert Sebastian, B.A., University of Maine at Orono; Falmouth, ME
Atkin, Christina Gay, A.B., Boston University; M.A., Goddard College; South Burlington, VT
Babbitt, Joseph Anthony, B.A., Yale University; Reseda, CA
Baker, Richard Domina III, B.A., McGill University; Burlington, VT
Bates, Barbara Ayres, B.A., University of Vermont; Randolph, VT
Bettaeton, Gillian Margaret, B.S., University of Michigan; Somerville, MA
Bicknell, Timothy Donald, A.B., Dartmouth College; Ferrisburg, VT
Bisson, Linda Claire, B.A., University of Vermont; Winookski, VT
Blotnick, Charles Adam, B.S., Union College; Needham, MA
Boulanger, Linda Lucy, B.A., University of Vermont; Orleans, VT
Brown, Richard Dexter, Kenyon College; Wayland, MA
Caron, Jeffrey Scott, B.S., Bates College; Thomaston, ME
Cody, Rayden Chandler, University of Vermont; Montpelier, VT
Coflesky, Janice Teresa, B.A., M.S., Ph.D., University of Vermont; Burlington, VT
Cole, Anne Johnston, B.S., Bates College; Portland, ME
Conway, Matthew Aloysius, Earlham College; South Burlington, VT
Cooley, Elizabeth Ellen, Harvard University; Burlington, VT
Craig, William Alexander Paul, B.A., University of California, Santa Cruz; Ripton, VT
Curran, Robert Winn, Middlebury College; Ridgewood, NJ
Dalpe, Joanne Linda, B.A., Mount Holyoke College; Derby, VT
Dittrich, Karl Paul, University of Vermont; Burlington, VT
Dotson, Eric David, B.A., University of Vermont; Poultney, VT
Dubois, Todd Michael, St. Michael’s College; Hampden, ME
Elami, Bahram, B.S.E., University of Michigan; B.S., Michigan State University; East Lansing, MI
Ellowith, Andrew Scott, B.S., State University of New York, Brockport; Loudonville, NY
Farwell, Mary Elizabeth, B.A., University of Virginia; Lake Forest, IL
Ferrera, Peter Charles, A.B., Cornell University; Howard Beach, NY
Fitzgerald, Joseph Robert, B.A., University of Vermont; Winookski, VT
Gemery, John Malcolm, B.A., Wesleyan University; Oakland, ME
Gray, Kelly Rae, B.S., Iowa State University; Woolwich, ME
Guirguis, Lisa Marie, B.S., Loyola Marymount University; Pasadena, CA
Hamel, Mary Jean, Occidental College; San Jose, CA
Hawkins, Nanci Lynn, A.B., Cornell University; Amsterdam, NY
Holmes, David Michael, A.B., Stanford University; Mountain View, CA
Holmes, Lucy Chue-Yin Hung, A.B., B.S., Stanford University; Mountain View, CA
Houle, Philip Robert, B.A., University of Vermont; Hyde Park, VT
Huber, Bryan Matthew, Bucknell University; Lancaster, PA
Jay, Shirlene, B.A., University of California, San Diego; La Jolla, CA
Julian, John Nicholas, B.A., Oberlin College; M.S., Pennsylvania State University; Morristown, VT
Kruger, Robert Melvin, A.S., Fulton-Montgomery Community College; B.A., State University of New York, Plattsburgh; M.S., University of Vermont; South Burlington, VT
Kuchne, Jonathan Peter, A.B., Cornell University; Wayland, NY
Ladd, Marilyn Grant, A.S., Laboure Junior College; Norwicht, VT
Lafavore, Paul Richard, A.B., College of the Holy Cross; Portland, ME
Larson, Heidi Mae, B.A., University of California, San Diego; Torrance, CA
Lawrence, Yolanda Glogowski, B.S., University of Vermont; Springfield, VT
Lee, Claudia Esther, A.B., Dartmouth College; Stamford, CT
Lemons, Robert Walter, B.S., Stanford University; Anaheim, CA
Lurig, Elena Luisa, B.A., University of Chicago; Saxton’s River, VT
Matthias, Weeza, B.S., University of Vermont; Burlington, VT
McBride, Whitney James, A.B., St. Michael’s College; Burlington, VT
McCarter, Martin Devroe, A.B., Dartmouth College; Carlisle, MA
McPherson, Rebecca Jane, B.A., University of New Hampshire; York, ME
McQuillen, Kemedy Kathryn, Bowdoin College; Shelburne, VT
Meloni, Stephen Joseph, B.S., Boston College; Pittsford, NY
Meltzer, Susan Elizabeth, A.B., Columbia University; Albertson, NY
Moore, Susan Elaine, A.B., Goucher College; Williston, VT
Mutch, Carolyn Marie, Providence College; Brighton, MA
Murray, Amy Miok, B.S., Cornell University; Mexico, NY
Nasrallah, Eli John, A.B., Cornell University; Essex Junction, VT
Nelson, David Gary, B.S., Colorado State University; York Harbor, ME
Nepveu, Laura, B.A., Reed College; Morrisville, VT
O’Donnell, Stephen Edward, B.S., State University of New York, Binghamton; Bronx, NY
Papadakis, Gust, University of California, Berkeley; Burlington, CA
Pasanen, Mark Eliot, Brown University; North Andover, MA
Podolnick, Jennifer Ruth, State University of New York, Potsdam; Stony Brook, NY
Polk, Donna Marie, A.B., Washington University; Hunter, NY
Rapaport, Michael Edwin, A.B., Kenyon College; Hastings-on-Hudson, NY
Ray, Katherine Louise, B.A., University of Notre Dame; Falmouth, ME
Roaf, Elizabeth Alexandra, Tufts University; Beverly, MA
Rodrique, Stephen Wilfred, B.A., St. Anselm College; Jefferson, ME
Rowley, Patrick Joseph, University of Notre Dame; Auburn, NY
Roy-Clark, Brenda Marie, B.A., University of Maine at Fort Kent; Fort Kent, ME
Russell, Gregory David, B.S., University of Vermont; Burlington, VT
Sawyer, Atilia Marie, B.A., Skidmore College; Barre, VT
Sequeira, Patricia Maria, B.S., Fordham University; Elmhurst, NY
Shang, Allan Bruce, B.S., Duke University; M.S.E., University of Pennsylvania; Apalachin, NY
Sheporaitis, Lori Ann, B.A., University of Vermont; Essex Junction, VT
Sibell, David Matthew, B.A., University of Virginia; Manhasset, NY
Singer, Michael Barry, B.A., State University of New York, Binghamton; Baldwin, NY
Spanknebel, Kathryn Ann, University of Vermont; Sterling, MA
Tyl, Rosemary, B.A., University of Connecticut; Shelburne, VT
Vajihuddin, Taher Hashim, B.A., University of California, Berkeley; Oakland, CA
Vial, Catalina Margarita, B.S., University of Vermont; Camden, ME
Weston, Catherine Chatal, B.S., Seattle University; Seattle, WA
Wilson, Sarah Usher, Brown University; Middlesex, VT
Woyke, Jennifer Lee, B.S., Wheaton College; Essex Junction, VT
Wolff, Kirsten Lyn, United States Merchant Marine Academy; Newport, RI
THE OATH OF HIPPOCRATES

I solemnly pledge myself to consecrate my life to the service of humanity.

I will give to my teachers the respect and gratitude which is their due;

I will practice my profession with conscience and dignity;

The health of my patient will be my first consideration;

I will respect the secrets which are confided to me;

I will maintain by all the means in my power, the honor and the noble traditions of the medical profession;

My colleagues will be my brothers and sisters;

I will not permit considerations of religion, nationality, race, party politics or social standing to intervene between my duty and my patient;

I will maintain the utmost respect for human life; even under threat. I will not use my knowledge contrary to the laws of humanity.

I make these promises solemnly, freely and upon my honor.