

## PROFILE

# Dartmouth Medical School



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## » HISTORY, MISSION, AND VISION

Dartmouth Medical School, the fourth-oldest medical school in the country, was founded in 1797. The School's mission today is to improve health—locally, nationally, and globally—by educating the leading physicians and scientists of tomorrow, generating new knowledge through research, and empowering all members of our community. Our vision is a medical school » where there are no barriers among research, education, and innovation; » that translates discovery into better health for those we serve; » that has a renowned impact on science and healthcare delivery; » whose success is intertwined with the success of its partners; » that supports every individual in reaching his or her full potential; and » that is guided by the principles of integrity, service, and compassion.

## » EDUCATION

Every year, DMS welcomes about 90 new medical students into its M.D. program and more than 100 graduate students into its basic, translational, and health-policy degree programs. Joint M.D.-M.B.A. and M.D.-Ph.D. programs are also available. The relatively small size of DMS's student body fosters a close-knit community among faculty, students, and alumni. DMS boasts significant diversity, too. In 2009, 56% of the incoming medical students were women and 27% were of color or from a country other than the U.S.; they represented 56 undergraduate institutions, 27 states, and 7 countries.

### Degree programs include:

- » M.D., M.D.-M.B.A., and M.D.-Ph.D. (with doctoral work available in biomedical science, engineering, or any other graduate discipline offered at Dartmouth College)
- » Ph.D. through the Molecular and Cellular Biology Program in biochemistry, biological sciences, genetics, microbiology and immunology, pharmacology and toxicology, or physiology
- » Ph.D. through the Program in Experimental and Molecular Medicine
- » M.P.H., M.S., and Ph.D. through The Dartmouth Institute for Health Policy and Clinical Practice (TDI)

## » RESEARCH

By fostering a collaborative, interdisciplinary culture, DMS promotes discoveries today that will lead to better medical care tomorrow. Faculty, trainees, and students conduct basic research, clinical and translational research, clinical trials, and health policy analysis. DMS received \$115.6 million in research grants and contracts in FY2009 and ranks in the top 15% of all U.S. medical schools on the basis of National Institutes of Health (NIH) funding per basic science faculty member.

### Dartmouth Medical School is home to:

- » Two NIH-designated Center of Biomedical Research Excellence (COBRE) projects—the Center for Lung Biology Research and the Center for Molecular, Cellular, and Translational Immunological Research
- » The Dartmouth Institute for Health Policy and Clinical Practice, the nation's leading health-policy organization
- » The brand new Dartmouth Center for Health Care Delivery Science, established with an anonymous gift of \$35 million
- » A Molecular Therapeutics Program that facilitates collaboration between scientists and physicians to move scientific discoveries about cancer into clinical trials
- » DISCOVERY—a 900-processor (and growing) supercomputer
- » An advanced imaging center
- » Operating suites dedicated full-time to research

- » A genetics visualization lab that applies video-game technology to the analysis of genetic data
- » 315 graduate students and 81 postdoctoral fellows in the basic sciences
- » 139 graduate students in the TDI degree programs

## » CLINICAL TEACHING

Clinical education takes place across the country, including at:

- » Dartmouth-Hitchcock Medical Center, a 396-bed academic medical center that includes Norris Cotton Cancer Center, a National Cancer Institute-designated comprehensive cancer center; the Children's Hospital at Dartmouth; and both adult and pediatric Level 1 trauma centers
- » Dozens of Dartmouth-Hitchcock multispecialty and primary-care clinics throughout NH and VT
- » Veterans Affairs Medical Center in White River Junction, VT
- » Clerkship sites from San Francisco, CA, Tuba City, AZ, and Bethel, AK, to Providence, RI, and rural NH, VT, and ME

## » OUTREACH

A wide range of volunteer and elective opportunities allow students (and faculty) to contribute to health-care improvement both locally and globally. About 80% of first- and second-year M.D. students take part in community service. Each year, five grants from the NH-VT Schweitzer Fellowship allow DMS students to pursue specific health-related community projects.

### International opportunities include:

- » A partnership with Muhimbili University of Health and Allied Sciences in Dar es Salaam, Tanzania, that includes clinical trials, a pediatric AIDS clinic, and educational exchanges
- » A clinical and educational collaboration with the University of Pristina School of Medicine in Kosovo
- » The Dartmouth International Health Group, which sends DMS students around the world to work in underserved communities such as India, Ghana, and the Philippines
- » A program that each year sends medical students to rural Nicaragua to work on health-care projects
- » A student fellowship at Albert Schweitzer Hospital in Lambaréné, Gabon

### Opportunities within the U.S. include:

- » Volunteering in Appalachia, New Orleans, and Atlanta, and on Native American reservations in Minnesota
- » Helping to provide free health care at the Good Neighbor Health Clinic in White River Junction, VT, and the Mascoma Clinic in Canaan, NH
- » Mentoring rural or inner-city teens about health-care careers