The Yale MD-PhD Program was officially established in 1969 and has been supported continuously by a National Institutes of Health Medical Scientist Training Program (MSTP) grant since 1973. Our mission is to train outstanding physician-scientists who will serve as leaders in biomedical research, education, and improved healthcare for our population.

An Innovative and Flexible Curriculum

Students at the Yale School of Medicine enter an 18-month preclinical curriculum organized around the body's "systems". Basic science, physiology, pathology, anatomy and clinical practice are taught in an integrated fashion, with an emphasis on small group learning and experiential training. Renowned scientists and master clinicians are your teachers, and a system without grades or class rankings promotes collaboration among students. MD-PhD students can benefit from special sessions and courses that provide graduate school credit and introduce students to potential thesis mentors among Yale's excellent and diverse faculty. All MD-PhD students complete six months of clinical clerkships before affiliating with a thesis lab and mentor. This experience allows students to participate in individualized longitudinal clinical clerkships during their research years, and to approach their research training with a more informed clinical perspective.

A Diverse Range of PhD Training Opportunities

Yale's MD-PhD Program grants full consideration to students who plan to pursue a Ph.D. program in departments that are part of the Biological and Biomedical Sciences (BBS), the School of Public Health (YSPH), School of Engineering and Applied Sciences (SEAS), and other divisions of the Graduate School of Arts and Sciences (GSAS). Descriptions of Ph.D programs in the Yale Graduate School can be found at https://gsas.yale.edu/academics/departments. A link to Ph.D programs in the Yale School of Public Health can be found at https://publichealth.yale.edu/admissions/programs/phd/. Our current students are affiliated with a broad range of Ph.D departments in each of these schools (see Table 1, reverse side). For full information on how to apply to the MD-PhD Program, please visit https://medicine.yale.edu/mdphd/prospective/admissions/applicationprocess.aspx.

Full Preparation for the Challenges of a Physician-Scientist Career

The MD-PhD program is led by practicing physician-scientists who make it their priority to help students master all of the skills and competencies required for a successful and meaningful career combining research and medicine. Workshops and courses provide hands-on training in grant and proposal writing, teaching and mentoring, effective communication, and negotiation and leadership skills. Annual retreats bring together current students, faculty and alumni, as well as physician-scientists working in diverse academic and non-academic settings.

Diverse Opportunities for Clinical Training and Service

The Yale-New Haven Health System hospitals and clinics provide a wide range of training opportunities for MD-PhD students. Our flagship hospital, Yale-New Haven, includes a state-of-the-art Cancer Hospital, a nationally recognized Children's Hospital, expertise in a wide range of surgical subspecialties, and interdisciplinary services that provide outstanding care throughout this >900-bed facility. MD-PhD students can also do rotations and electives at our VA Medical Center, rated among the best in the country, and multiple affiliated hospitals throughout the state. Many MD-PhD students have longitudinal clinics at the Haven Free Clinic, the Wednesday Evening Clinic and the Refugee Clinics, which provide free or low-cost care to our New Haven community. Almost all MD-PhD program graduates pursue additional clinical training after graduation, and more than two-thirds obtain positions as academic physician-scientists in basic science or clinical departments.

Funding While in the Program

MD-PhD students receive a scholarship which covers medical and graduate school tuition. Students also receive stipend support equivalent to the full financial aid package provided to medical students during the 1st and 2nd years. Once students affiliate with a graduate program and begin research full time, the stipend increases to that of a graduate student (e.g. $35,850/yr for 2018-19 BBS students) and remains at that level until graduation from the program. The MD-PhD Program also pays for single health care coverage (prescription benefits included) and participates in the Family Health Subsidy Plan. Dental and/or vision plans can be purchased from the Yale Health Plan.

MD-PhD Training: By the Numbers 2018-19

- 348 MD-PhD Graduates, 1973-2018
- 134 Current MD-PhD students
  - 59 Women
  - 75 Men
- 49 years since the Program started
- 78 years average to MD-PhD completion
- 19 First-year students
- 104 Medical Students in Class of 2022
- 1,598 Yale School of Medicine teaching (ladder) faculty
- $387.1 million in NIH awards

MD-PhD students at Yale enjoy tremendous human, intellectual and physical resources during their clinical training and graduate education. We are committed to creating a rigorous, yet flexible training program that addresses each student's interests and professional goals and makes full use of the outstanding research and clinical training opportunities at Yale. Our collaborative faculty and students, drawn from the Schools of Medicine, Public Health, Engineering and Applied Sciences, and Arts & Sciences, create an environment that values curiosity, creativity, diversity and integrity—and look for opportunities to have a positive impact on our local community and the greater world. And our hospitals and clinics share our mission of using cutting-edge science to improve patient care and outcomes. If you are ready to accept the challenges, responsibilities and rewards of preparing for a career that makes a positive impact on human health and well-being, we invite you to learn more about MD-PhD training at Yale.
**MD-PhD TRAINING FIGURES & DATA**

**CAREER OUTCOMES: CURRENT WORKPLACE FOR YALE MD-PhD GRADUATES 1974 - 2018**

- Academia (40%)
- Clinical Practice (15%)
- In Training* (20%)
- Industry (9%)
- Government (9%)
- Non-profit (4%)
- Clinical Practice (3%)
- Retired (2%)
- Deceased (1%)
- unknown (1%)

*Residency, fellowship, postdoc (n=348)

**FACULTY RANKS OF MD-PhD ALUMNI IN ACADEMIA**

- Professor (33%)
- Associate Professor (24%)
- Assistant Professor (30%)
- Chairman/Chief (7%)
- Non-Ladder (6%)

(n=169)

**RESIDENCY CHOICES OF MD-PHD GRADUATES: 2003-2018**

- Internal Medicine (49)
- Surgery (19)
- Dermatology (15)
- Radiology** (16)
- Psychiatry (9)
- Pathology (10)
- Neurology* (7)
- Pediatrics (13)
- Otolaryngology (5)
- Anesthesiology (3)
- Neurology* (2)
- Biomedical Engineering (10)
- Biostatistics (1)
- Molecular Biochemistry and Biophysics (3)
- Molecular, Cellular and Developmental Biology (1)
- Interdepartmental Neuroscience Program (22)
- Pathology (5)
- Public Health (4)
- NIH/GPP (2)

TOTAL TRAINEES AFFILIATED 96

**PHD PROGRAM AFFILIATIONS OF CURRENT TRAINEES**

- Anthropology: 1
- Applied Mathematics: 2
- Biomedical Engineering: 10
- Biostatistics: 1
- Cellular & Molecular Physiology: 2
- Cell Biology: 6
- Computational Biology and Bioinformatics: 2
- Genetics: 12
- History of Medicine: 1
- Immunobiology: 19
- Microbiology: 4
- Molecular Biochemistry and Biophysics: 3
- Molecular, Cellular and Developmental Biology: 1
- Interdepartmental Neuroscience Program: 22
- Pathology: 5
- Public Health: 4
- NIH/GPP: 2

TOTAL TRAINEES AFFILIATED 96

**CONTACT US:**
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Visit us on our website: [http://medicine.yale.edu/mdphd/](http://medicine.yale.edu/mdphd/)