

BBS

Combined Program in
the Biological and Biomedical Sciences



Program Description The Yale Combined Program in the Biological and Biomedical Sciences (BBS) offers students an opportunity to get a Ph.D. in any of 12 disciplines and to conduct thesis research in any of 400 labs at Yale University and the Yale School of Medicine. BBS has no boundaries, either departmental or geographical, and students have access to courses, seminars, and faculty labs in every department. Upon completing a Ph.D. at Yale, graduates will have received a thorough, interdisciplinary, cutting edge education that will prepare them for careers in academia, industry, business, law, and the many other exciting paths our graduates pursue.

The BBS Program and Diversity The Yale Combined Program in the Biological and Biomedical Sciences (BBS) is committed to maintaining a diverse student environment, and we encourage students from all backgrounds to apply to our program. Students who join the BBS Program will receive the necessary support and mentorship both to thrive at Yale and to succeed in their future scientific careers.

The Yale BBS Diversity and Inclusion Collective (YBDIC) is a student-run group for underrepresented minorities in the BBS program that serves to promote community and provides support for students of diverse backgrounds. The goal of YBDIC is to bring students from all first year BBS Tracks and the 12 associated Ph.D. programs together to promote diversity and institutional inclusion. YBDIC has three main branches: Student Empowerment, Student Engagement, and Student Advancement. Students from underrepresented groups are encouraged to join and participate in YBDIC, through which they will find community, student mentors, outreach opportunities, career advancement seminars, and lectures from professors of color at Yale. Other events and activities are hosted throughout the academic year by YBDIC student fellows.

Contact Information

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M.D.-Ph.D. Program



Program Description The Yale M.D.-Ph.D. Program provides students with integrated training in clinical medicine and research that prepares them for careers as visionary and resilient physician-scientists who are committed to improving the health of individuals and populations. A rigorous, yet flexible training program addresses each student's interests and professional goals and makes full use of the outstanding research and clinical training opportunities at Yale. Our students can pursue their Ph.D. degrees in departments within the Biological and Biomedical Sciences (BBS) program, the School of Public Health, the School of Engineering and Applied Sciences, and other divisions of the Graduate School of Arts and Sciences. The hospitals and clinics of the Yale-New Haven Health System provide state-of-the-art training in all areas of medicine, as well as opportunities to serve our New Haven community through the Haven Free Clinic, the Wednesday Evening Clinic and the Refugee Clinics. Students receive full scholarship and stipend support during their 7–8 years of training. Most M.D.-Ph.D. program graduates complete additional clinical training after graduation, and more than two-thirds have obtained positions as academic physician-scientists engaged in basic, translational or clinical research.

Diversity and the M.D.-Ph.D. Program The M.D.-Ph.D. Program is committed to providing a diverse and inclusive physician-scientist community that supports and mentors trainees along axes of personal identity, clinical discipline and research domain. Students who join the M.D.-Ph.D. program will receive training, mentorship and support that allows them to flourish at Yale and to succeed in a broad range of physician-scientist research careers after graduation.

BioMed Amgen Scholars Program The BioMed Amgen Scholars Program is a research-intensive summer training program for undergraduate students from diverse backgrounds and experiences. The program provides students with knowledge, skills and resources to help them succeed as future scientists or physician-scientists through research and didactic experiences, faculty and peer mentoring resources that extend throughout and beyond the 9-week program.

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PREP

Yale Post-baccalaureate
Research Education Program



Program Description The goal of the Yale PREP is to provide program participants with a foundation of experiences and skills necessary to be successful graduate students in Ph.D. programs. This foundation is composed of two principal components: (1) an independent research project and (2) an educational curriculum. PREP participants conduct independent laboratory research under the supervision of a Yale faculty mentor. Participants learn how to develop their own hypotheses

and to design experiments to test these hypotheses. PREP participants take two Yale courses and participate in program-specific seminars and workshops as well as institutional training activities with beginning Yale graduate participants in the biomedical sciences. All of these activities are designed to help PREP students ultimately to become successful Ph.D. students. All PREP participants are expected to apply to Ph.D. programs beginning in August for admission at the start of the following fall term.

Eligibility Requirements The PREP is intended for participants with a strong desire to pursue biomedical research careers at the Ph.D. level. The program is particularly interested in identifying and providing research experience to talented traditionally underrepresented and diverse participants. Participation in the one-year program is restricted to US citizens and permanent residents.

Covered Expenses PREP participants are provided with a stipend for the twelve-month period beginning mid-June for living expenses. PREP participants will also receive financial support that will cover tuition for one course per semester during the fall and spring academic terms, a GRE Preparation course with material provided by Kaplan Review, and travel-related expenses for at least one conference in the U.S.

Participants are responsible for finding their own housing prior to their June arrival and must reside in the New Haven, CT area. Participants will be expected to use a portion of their stipend to cover housing and other living expenses.

Program Duration One year (mid-June through the end of May). Participants must commit to beginning mid-June.

Admissions Notification Individuals selected to participate will be notified directly no later than April 30. Approximately six (6) individuals will be selected to participate in the program.

Contact Information

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Applications become available on November 1 and are due February 28.
<http://gsas.yale.edu/diversity/prospective-students/post-baccalaureate-research-education-programs>



With unbelievable scientific resources, highly collaborative researchers, and extraordinary training programs, Yale is an excellent place to train as a young scientist or physician-scientist. In addition, with a commitment to a diverse student body and the resources necessary to support student success, Yale is the perfect environment for developing as a scholar and preparing for a future career. We'd love to hear from you, so please feel free to contact any of the individuals named in this brochure.

Yes, Yale

Three research campuses
State-of-the-art facilities
400+ labs
And really nice people

Full tuition coverage
Stipend for living expenses
Comprehensive health insurance coverage
Reasonable cost of living

In the renowned "Yale System of Medical Education" all med students complete a research thesis, and 50% do a 5th year to complete a Master of Medical Sciences degree.

Oldest graduate school in the U.S. (1847)
First in U.S. to award:
a Ph.D. degree (1861)
a Ph.D. to an African-American (1876)
a Ph.D. to an American woman (1892)

Biochemistry	Molecular Biology
Bioinformatics	Molecular Medicine
Biophysics	Neuroscience
Cancer Biology	Pathology
Cell Biology	Pharmacology
Chemical Biology	Physiology
Computational Biology	Plant Sciences
Developmental Biology	Quantitative Biology
Engineering Biology	Stem Cell Biology
Genetics	Structural Biology
Immunology	Translational
Microbiology	Biomedicine

The graduate Office for Graduate Student Development and Diversity and the medical Office of Diversity, Inclusion, Community Engagement, and Equity provide programs and services to support young scholars in their personal, intellectual, and professional development.

Summer Research Opportunities at Yale

Summer Undergraduate Research Fellowship (SURF) Each summer the Yale SURF Program welcomes undergraduate students to Yale for eight weeks to explore what a Ph.D. could offer them. SURF participants learn about academic life in graduate school, begin career exploration, and develop confidence in their academic potential. Bioscience SURF students are immersed in labs to develop research proposals and conduct experiments. They also present their work to peers, write a research paper, and give a presentation at the Leadership Alliance National Symposium. For more information, visit: <https://gsas.yale.edu/diversity/prospective-students/summer-undergraduate-research-fellowship-surf>

Yale BioMed Amgen Scholars Program The Yale BioMed Amgen Scholars Program provides a 9-week summer research training opportunity and a competitive stipend to undergraduates interested in a Ph.D. or M.D.-Ph.D. in the biomedical sciences. Students from diverse backgrounds, including those who are first in their families to attend college, are members of underrepresented groups in the sciences, come from inner city or rural communities, or have grown up with financial or other disadvantages are invited to participate. All Scholars will receive faculty and peer mentoring, knowledge, skills, and networking resources that extend throughout and beyond the program to help them succeed as scientists or physician scientists. Visit <https://medicine.yale.edu/biomedsurf/> for more information about the program and application process.

Want more research experience?
Want to test out a lab environment before applying to a Ph.D. Or M.D.-Ph.D. Program?
Consider applying to one of these summer programs.

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bbs.yale.edu/diversity

Bioscience Research Training

at Yale

BBS: Combined Program in the Biological and Biomedical Sciences

M.D.-Ph.D. Program

PREP: Yale Post-Baccalaureate Research Education Program

Summer Research Opportunities



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