

Jack & Francine Levin Yale-at-MBL Student Research Fellowships


Want to win a **Nobel Prize**? Spend Summer 2019 Doing Science at MBL



Up to four **Jack & Francine Levin Yale-at-MBL Student Research Fellowships** will be awarded to students for a period of up to eight weeks in Summer 2019 at the Marine Biological Laboratory in Woods Hole, Mass.

Located on Cape Cod, three hours from New Haven, MBL is a locus for **scientists from around the globe** pursuing research in a wide variety of **fields directly relevant to human health**. Each summer a half-dozen or more Yale School of Medicine faculty travel to MBL to investigate, explore, and discover in a unique environment that fosters deep connections across disciplines. The MBL is a setting rich in intellectual stimulation, with an abundance of lectures, seminars and other learning opportunities in a tight-knit community at the water's edge. **Discoveries by investigators at or affiliated with the MBL have produced more than 50 Nobel prizes in physiology or medicine since 1920**

What: The Jack and Francine Levin Fellowships for Student Research at the MBL were established in 2018 by YSM alumnus Jack Levin, MD 1957, and his wife, Francine Levin, to



encourage Yale medical students to engage in biomedical research early in their medical school careers. The MBL, an affiliate of the University of Chicago, provides access to, and training in, super-resolution and high-resolution microscopy and experimental techniques in cellular and molecular physiology, genetics, and other fields. Research across the MBL focuses on a number of distinctive themes, including:

- new discoveries emerging from the study of novel marine organisms, encompassing research in regenerative biology, neuroscience, sensory physiology, and comparative evolution and genomics;
- the study of microbiomes and microbial diversity and ecology in a variety of ocean and terrestrial habitats;
- cutting-edge imaging and computation, making the unseen visible to illuminate cellular function and to explore biological mechanisms; and
- organismal adaptation and resilience in the face of global climate change and rapidly changing ecosystems.

Student's interests will be taken into account when designing a project so that they do not have to study what these individual labs study but can work on a loosely related topic that is of interest to them.

The fellowship will pay for room, board, and transportation to Woods Hole. An additional stipend from the Office of Student Research (OSR) will be available. In addition to participating as active members of their labs, fellows will attend presentations and lectures at the MBL and its summer courses, engage in activities with fellow scientists across the campus, and report on their progress and findings at lab meetings.

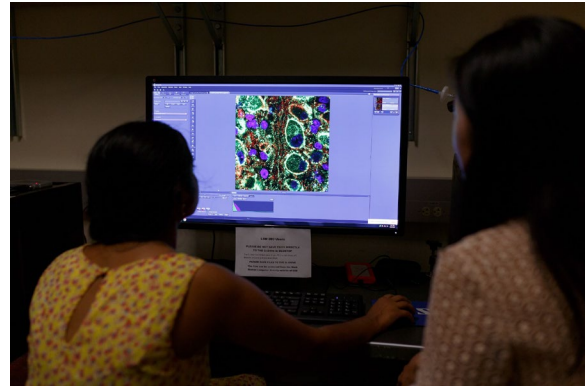
Who: All students in the Yale M.D. Program are eligible, including first years.

Where: Fellows may join the laboratories of YSM faculty **Daniel Colón-Ramos, Elizabeth Jonas or Leonard Kaczmarek** at the MBL and will interact with other Yale faculty and students.

Founded in 1888, the MBL is a private, nonprofit institution and an affiliate of the University of Chicago "dedicated to scientific discovery – exploring fundamental biology, understanding biodiversity and the environment, and informing the human condition through research and education."

When: Late June to mid August 2019 (exact dates to be determined). Students may start their work earlier in New Haven with faculty approval.

Interested students should fill out a regular summer application submitted to OSR (with the departmental Thesis Chair signature and faculty signature). In addition to the regular application for funding, please submit a statement of interest (250 words), describing why this opportunity is right for you and how it will benefit your research and educational experience.



This opportunity will be discussed at the panel discussions for first-year medical students, with dinner, on the following dates:

January 9 @ 5:15 p.m. Harkness Lounge, 367 Cedar Street

January 23 @ 5:15 p.m. in Cohen Auditorium, 230 South Frontage Rd.

A promotional poster for the Marine Biological Laboratory (MBL) at Woods Hole, Massachusetts. The poster features a central image of a fish's eye and a large, colorful biological structure. Text on the poster includes: "MARINE BIOLOGICAL LABORATORY 7 MBL Street, Woods Hole, MA 508.548.3705 mbl.edu", "PIERCE EXHIBIT CENTER AND GIFT SHOP 100 Marine Street, Woods Hole, MA 508.589.7230 mbl.edu/pierce-exhib-c-center", "SUMMER TOURS Monday-Friday at 8PM and 2PM Call 508.589.7232 or email comm@mbl.edu for reservations. Request an off-season tour at mbl.edu/off-season", "PUBLIC EVENTS MBL hosts public events throughout the year, many of them free. See a full listing at mbl.edu/outreach", "MBL Science, MBL Woodhole, MBL Woodhills, MBL Mobile. Stay connected with the Marine Biological Laboratory app.", "Visit the MBL a platform for connecting news directly from MBL's community at social.mbl.edu", "MBL DRAWS THE WORLD'S SCIENTIFIC COMMUNITY TO WOODS HOLE TO PUSH THE BOUNDARIES OF BIOLOGICAL DISCOVERY.", "Marine organisms, with their many unique characteristics and traits, represent the next frontier of basic biological discovery.", "MBL scientists investigate diverse areas of fundamental biology to explore the origin, diversity, and nature of life on a changing planet, and to inform the human condition.", "Each year, MBL courses attract more than 550 of the best and brightest students in the world, from more than 300 institutions and over 50 countries.", "Marine Biological Laboratory THE UNIVERSITY OF CHICAGO WOODS HOLE, MASSACHUSETTS MBL 17 0248