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 2020 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 undergraduates and 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 for Yale medical students only. 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 Yale undergraduate and 1st, 3rd and 5th year Yale medical students are eligible.

**Where:** Fellows may join the laboratories of YSM faculty 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 2020 (exact dates to be determined). Students may start their work earlier in New Haven with faculty approval.

Interested students should first consult with Dr. Elizabeth Jonas and/or Dr. Leonard Kaczmarek by February 21, 2020. Please see next steps below after consulting with Drs. Jonas and Kaczmarek:

1. Yale first year MD students should then complete a regular summer research application submitted to YSM Office of Student Research (Due to the Thesis Chair by April 17, 2020 and to Student Research by May 1, 2020, available on the YSM Office of Student Research website under First Year Medical Student Summer Research).
2. First, third and fifth year Yale MD students should contact Donna Carranzo in the Office of Student Research at donna.carranzo@yale.edu or 203-785-6633 for further instructions.
3. Yale undergraduate students should contact Donna Carranzo in the Office of Student Research at donna.carranzo@yale.edu or 203-785-6633 for further instructions.