Researchers identify biomarkers associated with chronic fatigue syndrome severity

Identifying effective therapies for chronic fatigue syndrome (CFS) is difficult, as the condition’s symptoms vary widely across patients. A new study led by Stanford investigators provides clues that they hope will help in the development of more effective treatments. The study, published in the journal *Nature Medicine*, provided the first comprehensive review of CFS treatment data, making it possible to identify which therapies may be effective for which patients.

Virtual reality system helps surgeons, reassures patients

A new virtual reality system designed to help surgeons and their patients may be changing the way surgeons approach operations. The system, which allows surgeons to visualize a patient’s anatomy in 3D and plan incisions, may help reduce the risk of complications and improve patient outcomes. The technology, developed by Stanford researchers, was recently featured in *Science*.

Clinical trial gift honors wife, offers hope

When Sara Schottenstein was diagnosed with a rare gastric cancer, her husband Chris Redlich stepped up to support her. He contributed a gift to Stanford to establish the Schottenstein Center for Cancer Cell Therapies, which will fund innovative research aimed at developing new treatments for cancer.

Stanford publishes inaugural Health Trends Report

Stanford Medicine launches its inaugural Health Trends Report, a comprehensive review and analysis of existing health-care research and open-source data, combined with insights from Stanford faculty and external health-care experts. The report, the first in a series of annual publications, found the promise and challenge of big data to be the most important forces driving change and improvements across health care today.

Notable Faculty News

Stanford Medicine faculty win prestigious NIH Pioneer Award

Amit Etkin, MD, PhD, associate professor of psychiatry and behavioral sciences, and Justin Sonnenburg, PhD, associate professor of microbiology and immunology were granted the NIH Pioneer Award. The award, which honors them as exceptionally creative scientists pursuing new research directions, will provide funding for a new venture at Stanford Medicine to test cancer cell therapies.

Virtual reality helps in the hunt for better treatments for heart disease

In the hunt for better treatments for heart disease, researchers found that by using solar-powered heart cells, they were able to increase the flow of oxygen and improve heart function in laboratory rats. Learn more >

Philanthropic funding to Stanford Medicine supports record-high enrollment and diversity among new bioscience graduate students

The School of Medicine has seen record increases in both its graduate student and faculty recruitment. For 2017, the school welcomed the largest ever group of new graduate students, following a strong recruitment year for the medical school’s interdisciplinary initiatives. A building fund that encourages graduate student internships at more than 1,500 hospitals and clinics has seen an uptick in momentum.


In 2017, Stanford Medicine served as host to the first-ever, free, national event aimed at informing and engaging the public about science and technology. The event, which was held on the Stanford campus and broadcast live, featured four fascinating talks about the future of health.

Clinical trial gift honors wife, offers hope

Jeff left no stone unturned in exploring solutions beyond traditional methods, even tapping into the cutting-edge technology of virtual reality. A new virtual reality system designed to help surgeons and their patients may be changing the way surgeons approach operations. The system, which allows surgeons to visualize a patient’s anatomy in 3D and plan incisions, may help reduce the risk of complications and improve patient outcomes. Learn more >

Solar-powered heart: Stanford scientists use photosynthesis to help damaged hearts

Stanford researchers have developed the first solar-powered heart cells, which can use light to trigger photosynthesis to help damaged hearts. The technology, developed by Stanford researchers, was recently featured in *Science*.

Virtual reality helps in the hunt for better treatments for heart disease

In the hunt for better treatments for heart disease, researchers found that by using solar-powered heart cells, they were able to increase the flow of oxygen and improve heart function in laboratory rats. Learn more >

Giving Matters

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