

# the equation

news for friends of Stanford Medicine **summer 2015**

Campaign for  
Stanford  
Medicine



## Feature Story

PREEMPTIVE PREVENTIVE  
PREDICTIVE PROACTIVE

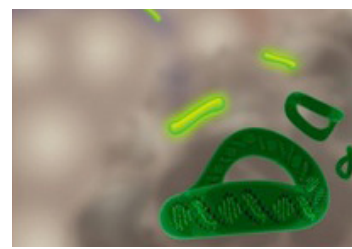


### Precision Health: Developing, defining, and leading the next generation of care

Stanford Medicine's emphasis on Precision Health came about as part of a strategic planning process and encompasses Stanford's interdisciplinary strengths in data science, fundamental bioscience research, and specialized care in areas such as cancer, immunology, genomics, and stem cell medicine. Precision Health focuses on predicting and preventing disease, not just treating it.

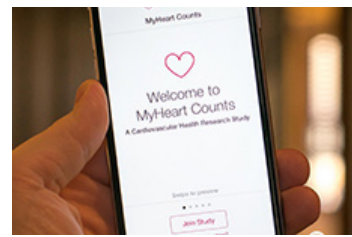
[Learn more >](#)

## Stanford Medicine in the News



### Study finds customized DNA rings show promise for early cancer detection in mice

A technique uncovered by a Stanford researcher shows the potential to detect tumors, monitor the effectiveness of cancer therapies, guide the developments of anti-tumor drugs, and screen symptom-free populations earlier for a broad range of cancers. [Learn more >](#)



### Stanford launches first-of-its-kind iPhone app to accelerate cardiac research

The *MyHeart Counts* app will collect data about physical activity and cardiac risk factors for Stanford scientists studying the prevention and treatment of heart disease. [Learn more >](#)



### Stanford researchers develop small retinal implant that could restore eyesight

Stanford researcher Daniel Palanker, PhD, is senior author of a recently published paper describing the development of a silicon implant that can convert light transmitted from special glasses worn by the recipient into electrical currents that stimulate the retina's cells, triggering a neural cascade that reaches the brain. [Learn more >](#)

## Giving Matters



### Putting love into action: A wife's cancer journey inspires legacy gift

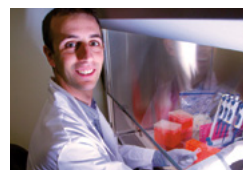
"This horrible, dreaded disease focused our desire for giving—we wanted to give to basic cancer research." These are the sentiments expressed by Robert Robson when asked about his motivation for giving to Stanford Medicine. By including a gift in their estate planning, the Robsons will support fundamental science and help empower the next generation of research. [Learn more >](#)

## Faculty Notables: Awards and Honors



### Shatz awarded the 2015 Gruber Foundation Neuroscience Prize

Carla Shatz, PhD, the Sapp Family Provostial Professor of Biology and Neurobiology, was awarded the prestigious Gruber Prize for her work in understanding how brain signaling controls wiring and plasticity and the mechanisms the brain uses to select which connections to strengthen or prune back as circuits form. [Learn more >](#)



### De la Zerda named 2015 Pew Scholar

Adam de la Zerda, PhD, an assistant professor in the departments of structural biology and electrical engineering, has been named a Pew Scholar for his innovative imaging work, which could enable clinicians to closely monitor tumor cells over the course of treatment and ensure that not a single cancer cell is left behind. [Learn more >](#)

## Recent and Upcoming Events



### Record attendance at 2015 Health Matters Community Day

On Saturday, May 16, Stanford Medicine invited community members to campus for the second annual Health Matters event. Over 1,000 people enjoyed time with leaders from Stanford Health Care and the School of Medicine learning about a broad range of health topics and participating in interactive activities and displays. High-school students were also treated to a "Med School Morning" program, where they learned if a career in medicine was right for them.

[Event Highlights and Video Replays >](#)

Learn more about the [variety of exciting events](#) that are available throughout Stanford Medicine.



### Packed house at second annual Big Data in Biomed Conference

Researchers and leaders from academia, hospitals, government, and industry gathered at Stanford for three days to spark collaborations, address challenges, and identify actionable steps for using large-scale computing and data analysis to improve human health.

[Speaker Interviews >](#)

June  
20

### Searching for Home: Coming Back from War *The Truth, The Healing, The Hope*

You are invited to the exclusive West Coast preview of a new feature-length documentary "Searching for Home: Coming Back from War," an emotional and unflinching look at returning veterans and their searching for the "home" they left behind. After the screening there will be a Q&A session with director Eric Christiansen; Stanford psychiatrist and neuroscientist Amit Etkin, MD, PhD, who served as a scientific advisor to the film; and several of the veterans featured.

Saturday, June 20  
[Learn more >](#)

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