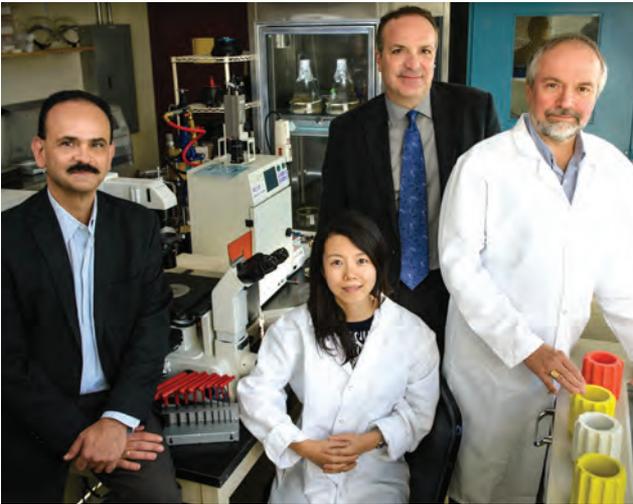


# We Are

# ...your neighbors advancing medicine and healthcare.



*Dr. Peter Talias, Professor and Director of the Center for Healthcare Innovation; Wenting Zhang, research assistant and Stevens Ph.D. candidate; Rob Harari, Industry Associate Professor in the College of Arts and Letters; and Dr. Ueli Gubler, Visiting Professor, Biotechnology and Drug Discovery Laboratory of the Center for Healthcare Innovation. Each pursues Stevens research advancing and improving medicine and healthcare.*



- ▶ **We are advancing new treatments for devastating diseases.** Stevens researchers are investigating treatments for breast, prostate and lung cancer tumors that metastasize to bones. This research extends to treatment of osteoporosis, a degenerative disease that weakens bones and afflicts some 200 million people worldwide. And with Hackensack University Medical Center, we are finding better ways to treat multiple myeloma, a devastating blood cancer.
- ▶ **We are researching the therapeutic effects of sound and music** in healthcare settings. With local hospital and industry collaborators, Stevens researchers are examining the effects of acoustics to reduce the harmful impact of noise on patients and staff and exploring innovative structural designs for hospitals.
- ▶ **We are developing medications** and therapies to save and improve lives. In our Biotechnology and Drug Discovery Laboratory, Stevens researchers collaborate with industry on drug discovery projects in a variety of disease areas such as cancer and central nervous system disorders.
- ▶ **We are designing transformational medical devices** including implants, new surgical tools and control systems for doctors' offices and hospitals. Our researchers are creating breakthrough technologies in areas such as infection-resistant prosthetics that reduce complications and the risk of additional surgeries.
- ▶ **We are championing healthcare efficiency** in hospitals, healthcare companies and emergency response units. With partners like Cornell Medical Center and the Fire Department of New York, we're designing and optimizing home care and nursing delivery systems for non-hospitalized patients, improving dispatching strategies for emergency response systems and strengthening disaster and emergency preparedness plans. We are also finding ways to improve medical records, patient flow in hospitals, and even the beds used in emergency and operating rooms for increased patient comfort and shorter hospital stays.

## Stevens. We are Hoboken.

Learn more at: [stevens.edu/stevensconnects](https://stevens.edu/stevensconnects)



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