

## SABPA Congratulates Dr. Roger Tsien for Nobel Prize in Chemistry

Hui Cai, PhD, MBA Chairwoman of the Board, SABPA



SABPA (Sino-American Biomedical and Pharmaceutical Professionals Association) is delighted to join the Chinese-American life science professionals community in congratulating and saluting Professor Dr. Roger Tsien of UC San Diego and a friend of SABPA for winning the 2008 Nobel Prize in Chemistry.

San Diego is one of the most vibrant communities in life science innovation and business. It is the home to the nation's fastest-growing biotech cluster, some of the most accomplished universities and institutions, and first-class scientists including over 20 Nobel Laureates. San Diego's hallmark is collaborative and cross-disciplinary research, as reflected by the cutting-edge research of many including Dr. Tsien who is a pioneer at the interfaces between organic chemistry, cell biology, and neurobiology. In that regard, SABPA is proud to be a part of this dynamic community by representing over 1500 members, in both academia and industry, who are actively engaged in biomedical and pharmaceutical research and development.



*Dr. Hui Cai introduces Dr. Roger Tsien to receive the "2007 San Diego BioPharma Leadership Award"*

Dr. Tsien was recognized in June 2007 by SDCA and SABPA with the "2007 San Diego BioPharma Leadership Award" at the 6<sup>th</sup> Annual San Diego BioPharma Conference (<http://www.sdcausa.org/web/pages/science/sym2007/MT2007.htm>) for his scientific leadership in the fields of cell biology and neurobiology. His laboratory has improved and modified Green Fluorescent

Protein (GFP) from jellyfish and analogous red fluorescent proteins from corals to track a wide variety of cell signals. His revolutionary research has allowed scientists to peer inside living cells, watch the behavior of molecules in real time, and gain a better understanding of signaling inside individual living cells, in neuronal networks, and in tumors, without disrupting cell function.

As a conference keynote speaker, Dr. Tsien shared with more than 400 attendees his fascination with colors. “I’ve always been attracted to colors,” he was quoted saying. “Color helps makes the work more interesting and enduring. It helps when things aren’t going well. If I had been born color-blind, I probably never would have gone into this.” Dr. Tsien also shared his more recent work on imaging and cancer therapeutics that involves the design of molecules to target cancer cells with a higher degree of specificity than current therapies in delivering imaging agents or therapeutics.

We wish Dr. Roger Tsien continued success in his grand endeavor !



*On the first day as a Nobel Laureate, Dr. Tsien talks to UCSD bioengineering Professor Dr. Shu Chien, an honorary member of SABPA, and recipient of the 2008 San Diego BioPharma Leadership Award ([www.sdbiopharm.org](http://www.sdbiopharm.org)). Photo source: UCSD.*



*Dr. Roger Tsien talks with Conference Co-chairs Drs. Hui Cai, Feng Tian, and Chao Dou after receiving the Award.*



*Dr. Tsien addresses over 400 attendees of the 6th Annual San Diego BioPharma Conference*

## Hall of Fame: Nobel Prize Laureates with Chinese Heritage



**1957: Chen Ning Yang and Tsung-Dao Lee**

“for their penetrating investigation of the so-called parity laws which has led to important discoveries regarding the elementary particles”



**1976: Samuel C.C. Ting (shared with Burton Richter)**

“for their pioneering work in the discovery of a heavy elementary particle of a new kind”



**1997: Steven Chu (shared with Claude Cohen-Tannoudji and William D. Phillips)**

“for development of methods to cool and trap atoms with laser light”



**1998: Daniel Chee Tsui (shared with Robert B. Laughlin and Horst L. Störmer)**  
“for their discovery of a new form of quantum fluid with fractionally charged excitations”



**1986: Yuan Tseh Lee in Chemistry (shared with Dudley R. Herschbach and John C. Polanyi)**  
“for their contributions concerning the dynamics of chemical elementary processes”



**2008: Roger Tsien in Chemistry (shared with Osamu Shimomura and Martin Chalfie)**  
“for the discovery and development of the green fluorescent protein, GFP”